JVC

SERVICE MANUAL

PORTABLE COMPONENT SYSTEM

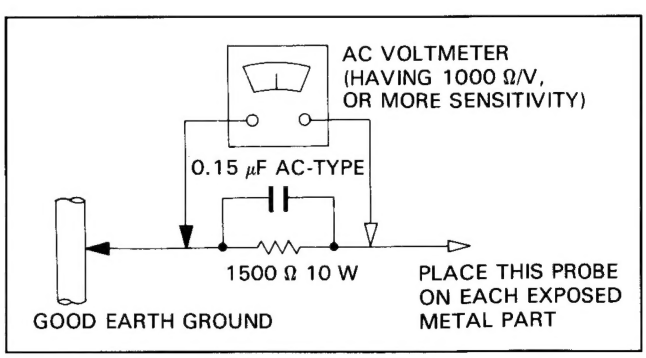
MODEL PC-30 A/B/C/E/G/J/R/U

Contents

No. 1575
March 1985

Safety Precautions

1. The design of this product contains special hardware. Many circuits and components specially for safety purposes.
   For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Repacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
2. Alterations of the design or circuitry of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
3. Many electrical and mechanical parts in the product have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. Electrical components having such features are identified by (⚠) on the schematics and parts list in Service manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list in Service manual may create shock, fire, or other hazards.
4. The leads in the products are routed and dressed with ties, clamps, tubings, barriers and/or the like to be separated from live parts, high temperature part, moving parts and/or sharp edges for the prevention of electric shock and fire hazard.
   When service is required, the original lead routing and dress should be observed, and they should be confirmed to be returned to normal, after re-assembling.
5. Leakage current check
   (Safety for electrical shock hazard)
   After re-assembling the product, always perform an isolation check on the exposed metal parts of the Products (antenna terminals, knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.
   Do not use a line isolation transformer during this check.
   - Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5 mA AC (r.m.s.).
   - Alternate check method.
     Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having 1,000 ohms per volt or more sensitivity in the following manner. Connect a 1500 Ω 10 W resistor paralleled by a 0.15 μF AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.)
     Measure the AC voltage across the resistor with the AC voltmeter.
     Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75 V AC (r.m.s.).
     This corresponds to 0.5 mA AC (r.m.s.).



Specifications

Radio Section

Frequency range : PC-30 A/C/J/R/U
FM 88—108 MHz
AM 540—1600 kHz
SW1 2.3—7 MHz
SW2 7—22 MHz
: PC-30 B/E
FM 88—108 MHz
MW 540—1600 kHz
SW 6—18 MHz
LW 150—350 kHz
: PC-30 G
FM 65—73 MHz
MW 540—1600 kHz
LW 150—350 kHz
SW 6—18 MHz

Antennas : Telescopic antenna for FM & SW
Ferrite core antenna for MW & LW

Tape Recorder Section

Track system : 4-track 2-channel stereo

Motors : Electronic governor DC motor for capstan & reel

Heads : METAPERM head (for recording/playback),
Magnet head for erasure

Frequency response : 60—12,000 Hz (with normal tape)

Wow & flutter : 0.15% (WRMS)

Fast wind time : Approx. 130 sec. (C-60 cassette)

General

Power supply : DC 12 V (8 "R20" cells)
AC 220—240 V/110—127 V, 50/60 Hz PC-30 U/R
AC 220—240 V/110—120 V, 50/60 Hz, PC-30 A/B/C/E/G/J
AC 120 V PC-30 C

External

12 V DC IN Jack : DC 12 V PC-30 A/U

S.E.A. characteristics : S.E.A. center frequencies:
100 Hz/330 Hz/1 kHz/3.3 kHz/10 kHz
S.E.A. control range: ±8 dB

Input jacks : Mic × 1 (0.8 mV, −62 dBV)
Matching impedance:
200 Ω—2 kΩ
AUX IN × 2 (250 mV/47 kΩ)

Output jacks : Speaker × 2 (matching impedance 3.2—8 Ω)
Headphones (0—30 mW/8 Ω)
(matching impedance 8—32 Ω)

Power consumption : 14 W

Dimensions : 556(W) × 182(H) × 188(D) mm
(22″ × 7-1/4″ × 7-1/2″)
including knobs

Weight : Approx. 4.4 kg (9.7 lbs)
(without batteries)
Approx. 5.2 kg (11.4 lbs)
(with batteries)

Speaker Section

Speakers : 10 cm (4″) × 1, 1.5 cm (5/8″) × 1

Impedance : 3.2 Ω

Dimensions : 135(W) × 177(H) × 165(D) mm
(5-3/8″ × 7″ × 6-1/2″)

Weight : Approx. 0.75 kg (1.7 lbs.)

Design and specifications are subject to change without notice for improvement.

Location of Controls

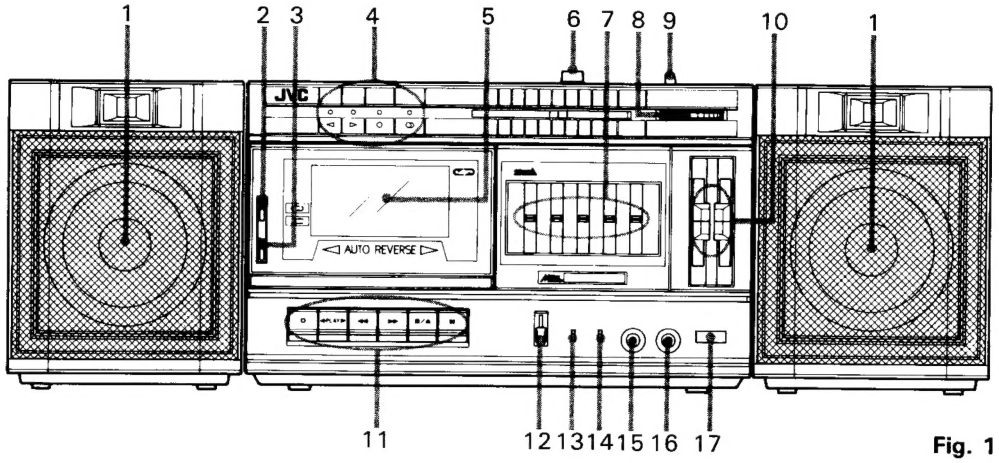


Fig. 1

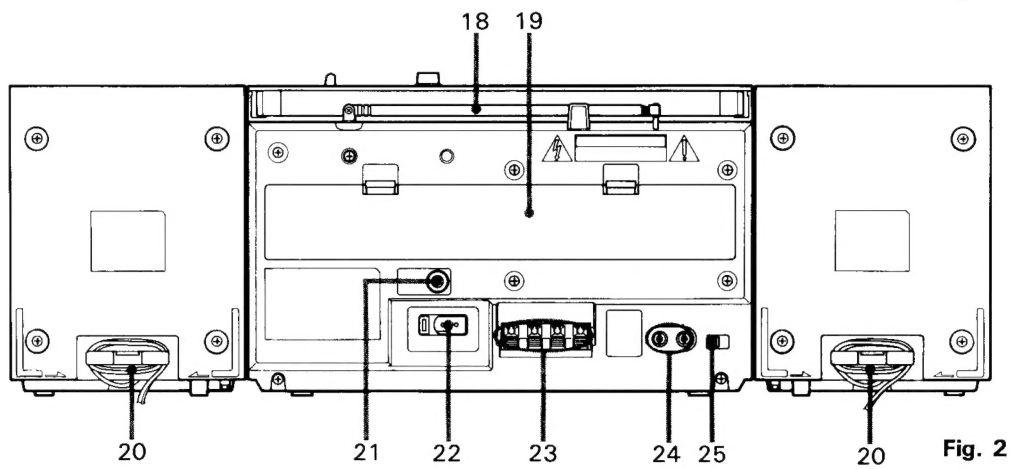


Fig. 2

1. **Speakers (left, right)**
2. **REVERSE MODE switch**
   ⟲ : Continuous play
   ⇄ : Single playback
3. **DIRECTION switch**
   Press down to change the direction of tape travel.
4. **Indicators**
   - Reverse DIRECTION (REV)
   - Forward DIRECTION (FWD)
   - Record (REC)
   - FM STEREO
5. **Cassette holder**
6. **FINE TUNING knob for SW reception**
7. **S.E.A. Graphic Equalizer controls**
8. **TUNING knob**
9. **BAND selector (FM/SW2/SW1/AM)**
10. **VOLUME controls**
11. **Cassette operation buttons**
    - ○ **REC button**
      Press this button with the ◄ PLAY ► button to start recording. When the ❚❚ PAUSE button has been pressed, pressing this button enters the record standby mode so recording can be restarted with good timing.
    - ◄ **PLAY** ► **button**
      Press to play the tape.
    - ◄◄ **(fast wind) button**
      Press to wind the tape rapidly from right to left.
    - ►► **(fast wind) button**
      Press this button to fast wind the tape from left to right.
    - ■ /⏏ **STOP/EJECT button**
      Press to stop the tape. Pressing this button after the tape stops opens the cassette holder.
    - ❚❚ **PAUSE button**
      Press to stop the tape temporarily. Press again to release the pause mode.
12. **FUNCTION switch**
    AUX:
    Set to this position when listening to or recording the source connected to the AUX IN jacks.
    TUNER:
    Set to this position when listening to the radio or recording from the radio.
    TAPE:
    Set to this position when listening to tape or recording from an external microphone.
13. **TAPE switch (for playback)**
    Set the switch according to the tape to be used.
14. **MODE switch**
    Set to MONO or STEREO when listening to or recording FM broadcasts or playing a tape.
    Set as required when monitoring or recording the sound of another unit connected to the AUX IN jacks.
15. **MIC jack**
    When recording through microphone, connect microphone (with an impedance of 200 Ω to 2 kΩ) to this jack.
16. **Headphones jack (PHONES) (3.5 mm dia. stereo miniplug)**
    This is the headphones jack (with an impedance of 8 Ω to 32 Ω). Inserting the plug cuts the speaker sound off.
17. **POWER switch**
18. **Telescopic antenna for FM or SW reception**
19. **Battery compartment cover**
20. **Speaker cords (right, left)**
21. **12 V DC IN jack (⊕-⊂-⊖)**
    When using a car battery (DC 12 V), connect the optional exclusive car adapter (CN-332) to this jack.
22. **AC input jack/VOLTAGE SELECTOR**
23. **SPEAKER terminals**
24. **AUX IN jacks**
25. **BEAT CUT switch**

Location of Main Parts

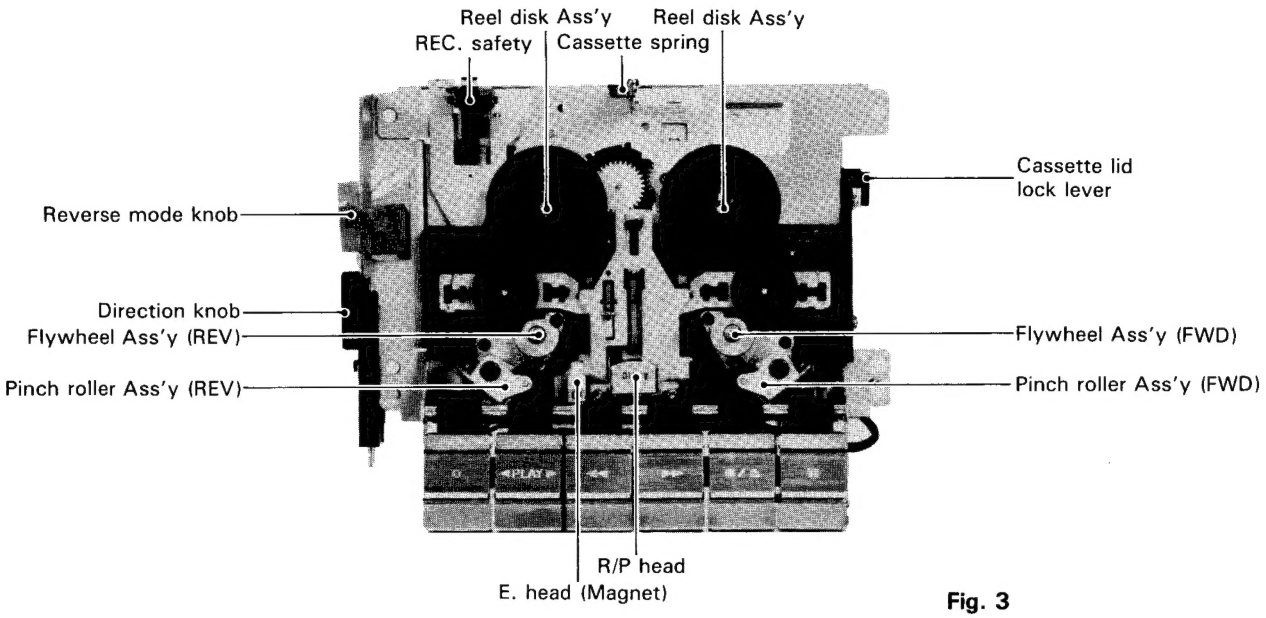


Fig. 3

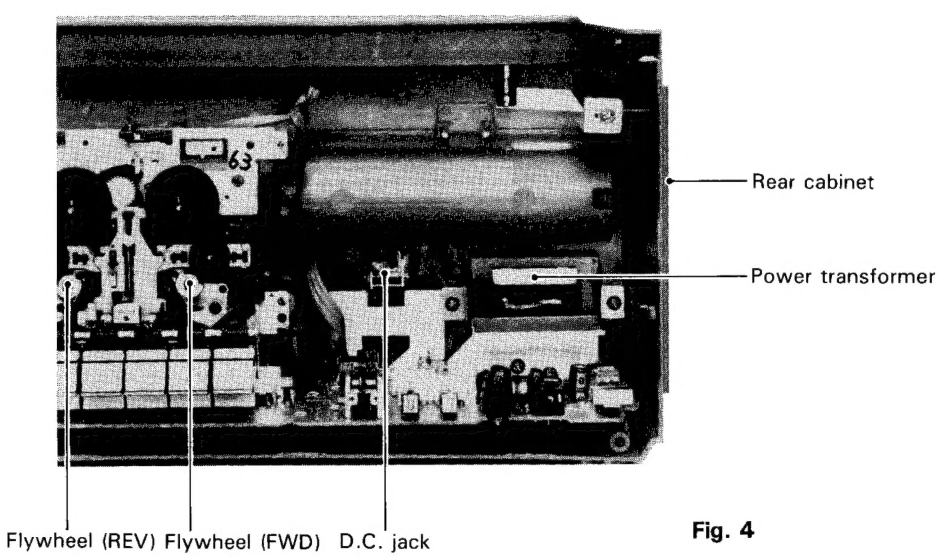


Fig. 4

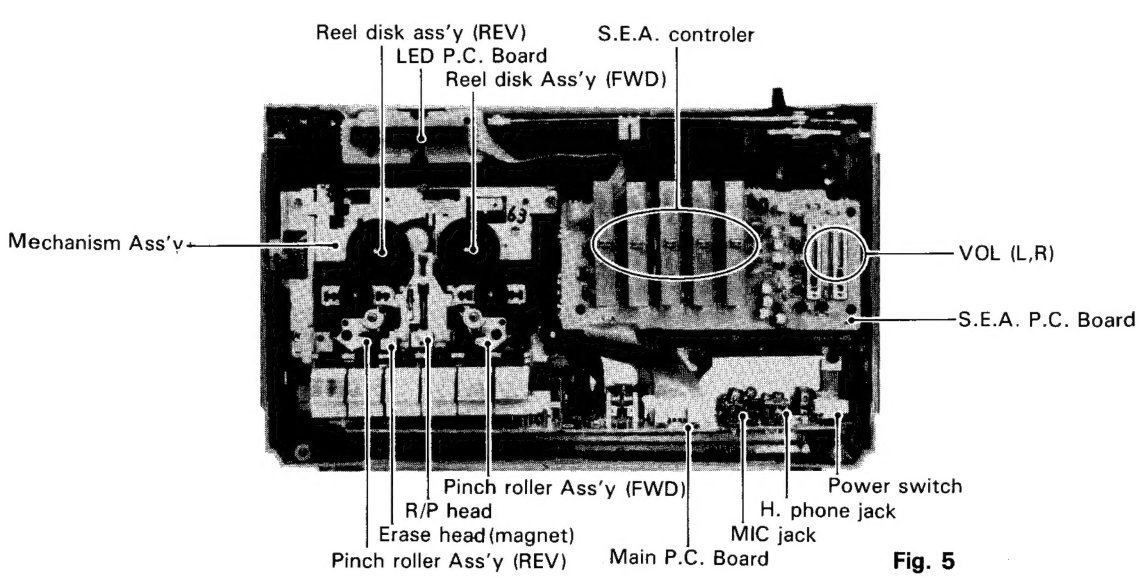


Fig. 5

Removal of Main Parts

■ **Telescopic antena replacement**

- Removed the one screw Ⓐ and replacement telescopic antenna.

■ **Front cabinet**

- Remove the lever cap of function, volume, fine tuning and lever cap of band.
- Open the cassette door.
- Remove the three screws ① and the two screws ② from the rear cabinet.

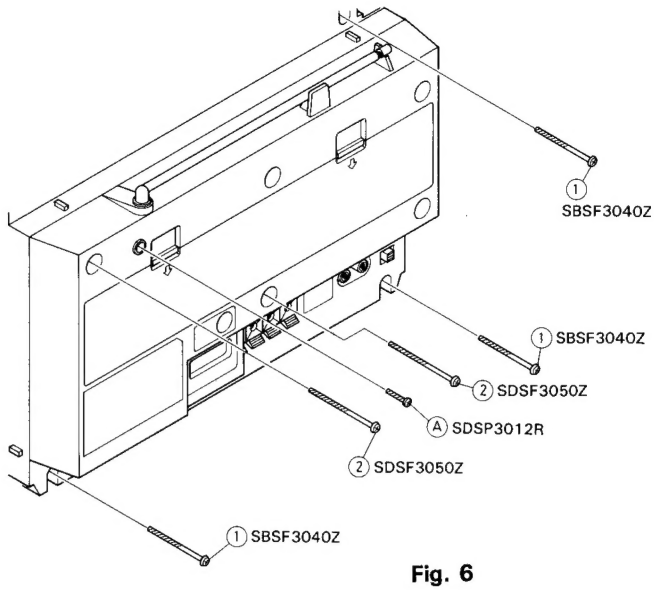


Fig. 6

■ **S.E.A. P.C. Board Ass'y**

- Remove the S.E.A. P.C. Board disengaging it from four hooks.
- Remove the paralled wire of connector.

S.E.A. P.C. Board

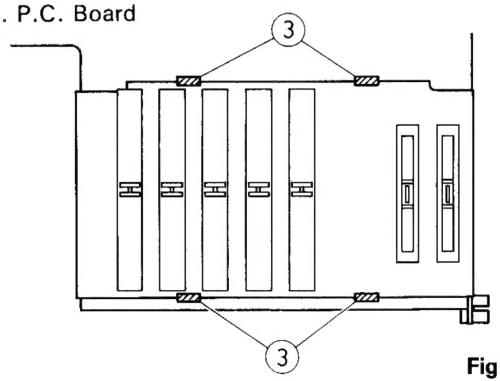


Fig. 7

■ **Tuner P.C. Board Ass'y**

- Remove the two screws ④ and the one screw ⑤.
- Remove the paralled wire of connector.

  Note: When reassembling the unit, turn the dial drum and variable capacitors fully clockwise.

Tuner P.C. Board Ass'y

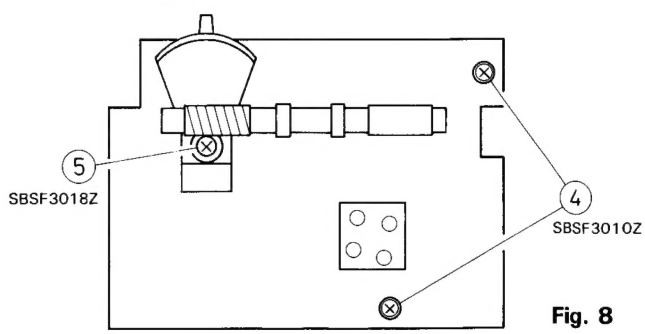


Fig. 8

■ **Mechanism Ass'y**

- Remove the three screws ⑥ fixing the Mechanism Ass'y.

Mechanism Ass'y

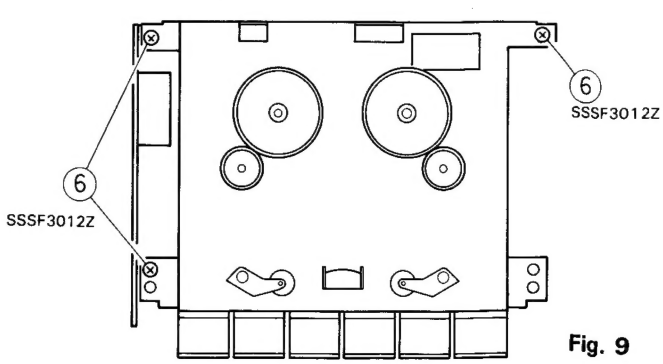


Fig. 9

■ **Main P.C. Board Ass'y**

- Remove the two screws (7) fixing the power transformer on both side.

Power transformer

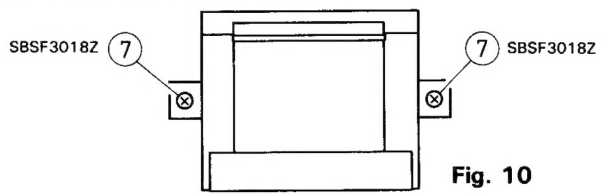


Fig. 10

Precautions Regarding Re-assembly

When the mechanism is to be repaired

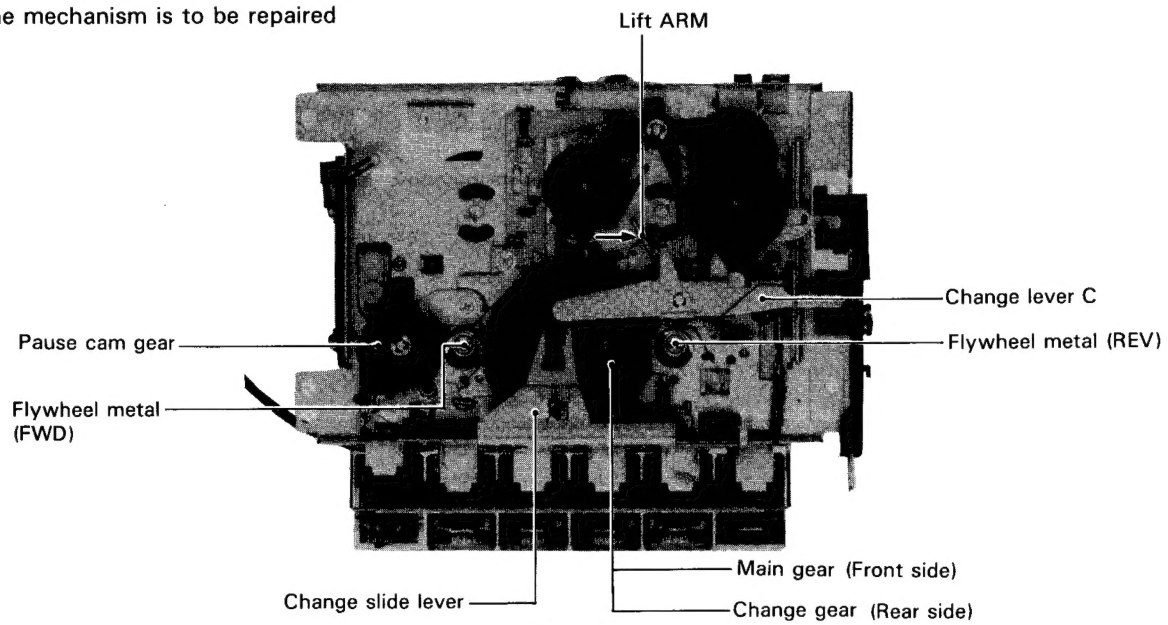


Fig. 11

* The pause cam gear is attached by inserting it onto the shaft of the chassis, rotating it several times in the clockwise direction, and then fixing it in place wiht the E. ring.

* The main gear is attached by inserting it onto the shaft while pushing the top edge of the lift arm in the direction indicated by the arrow.

* The pin of the change gear is inserted into the slot on the top of the change slide lever.

* The flywheel (F.W.D.) is inserted onto the flywheel metal, rotated several times in the clockwise direction, and fixed in place with the 98570000T nylon washer. Allow about 1 to 2 mm.

The "M300" gauge is used for height adjustment when the recording/playback head (R/P head Ass'y) is replaced.

Note: Be sure not to scratch the head on the surface over which the tape travels over.

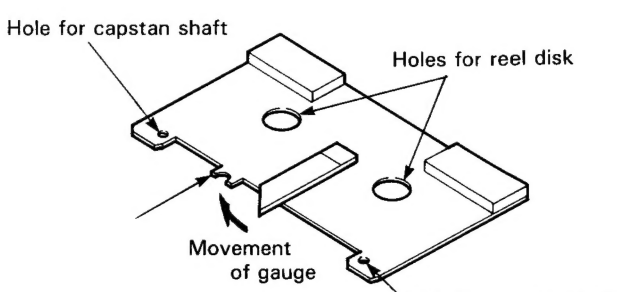


Fig. 12

Adjust the inside of the tape guide so that gauge slides over the surface of the above tool. Adjust screws A and B so that the gauge passes freely without coming into contact with the surface.

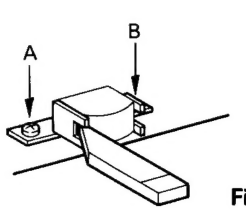


Fig. 13

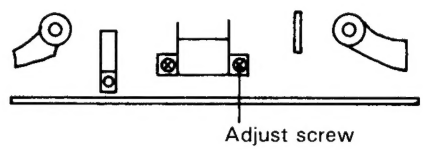
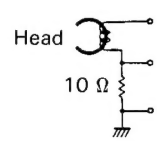
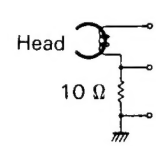
Main Adjustments

■ Deck Section

Conditions

Power supply : DC 12 V
Load : 0 dBs (0.775 V)/3.2 Ω
Function switch : TAPE
Specified input : MIC −60 dBs

Measuring point (output): Connect a 3.2 Ω dummy resistor then perform checking there.

Item	Tape to be used	Procedure	Adjusting Point
Azimuth	VTT702 (8 kHz)	Adjust output to its maximum. At this time, check that the difference between the four FWD and REV channels is within 4 dB.  	R/P head azimuth screw
Tape speed and wow & flutter	VTT656 or VTT712	Adjust variable resistor inside the motor so that the counter reads 3000 $^{+3}_{-2}$%. Make sure that wow & flutter is within	Variable resistor inside the motor
Checking playback output power	VTT722 (1 kHz)	Maximum output should be 4750 mW (3.9 V/3.2 Ω). Output should be 4000 mW or more with 10% distortion (3.6 V/3.2 Ω).	
Checking playback frequency characteristics	VTT736	The playback output level should satisfy the following characteristics with respect to 1 kHz. 125 Hz Within −1±3 dB 8 kHz Within 0±3 dB	
Checking bias frequency		Connect the frequency counter across the 10 Ω resistor; the counter should read 81±3 kHz when the BEAT CUT switch in the position "1".  	
Checking bias current		The voltage across the 10 Ω resistor should be 3.6 mV.  	
Checking R/P frequency characteristics		Apply −20 dB signal with respect to the specified input; the following values should be satisfied when the 1 kHz signal is reference. 125 Hz −1±3 8 kHz 0±4 dB	
Erasability		Erase the prerecorded tape, then check to see if the previous recording has been erased completely.	

■ Tuner Section

PC-30 B/E/G

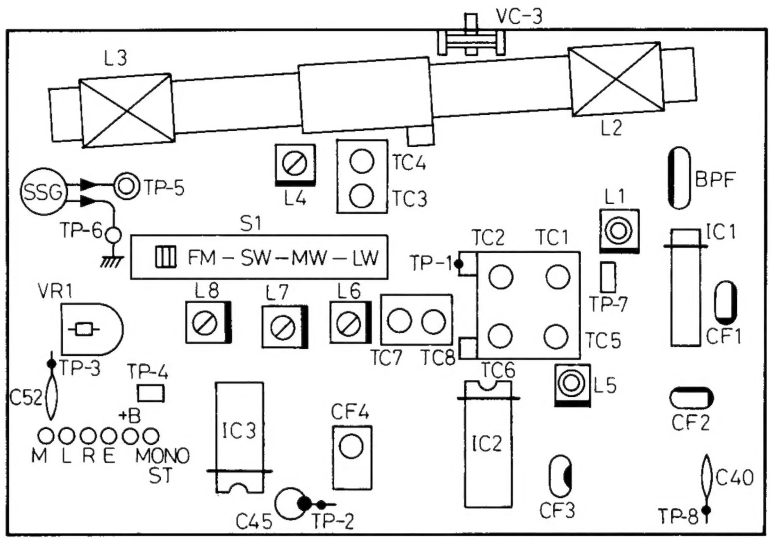


Fig. 14

PC-30 A/C/J/R/U

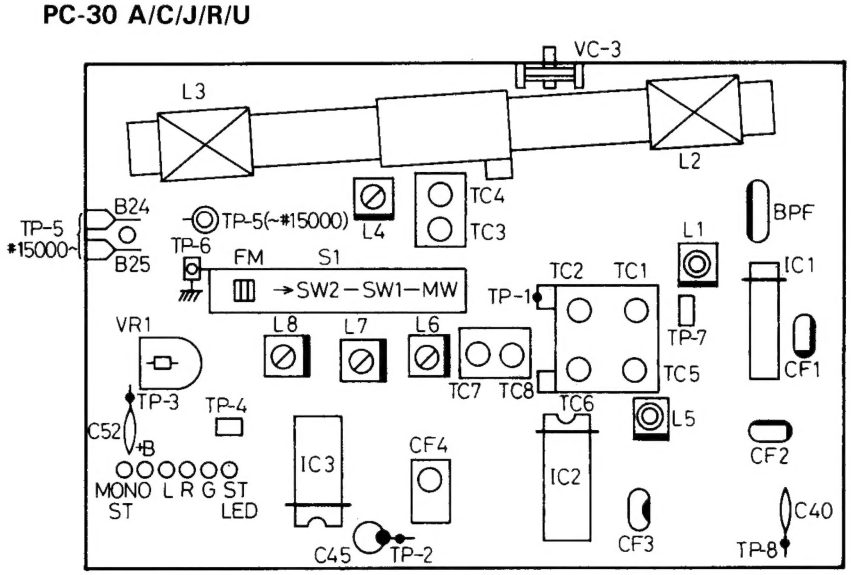
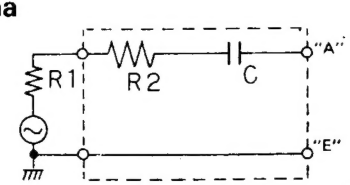


Fig. 15

Dummy Antenna

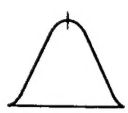


R1 + R2 = 80 Ω TP-5 : "A"
C = 10 pF TP-6 : "E"
R1: Output impedance of S.S.G.

Fig. 16

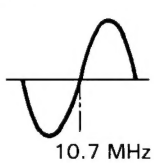
Basic conditions:

EXT. DC:	12 V
POWER SOURCE OF THE RECEIVER:	DC 12 V, AC 240-220/127-110 V, 50/60 Hz (PC-30 U/R) AC 220-240/110-120 V 50/60 Hz (PC-30 A, B, E, G, J) AC 120 V 50/60 Hz (PC-30 C)
LOAD RESISTANCE OF THE RECEIVER:	50 mW (0.4 V)/3.2 Ω
MODULATION OF SSG:	400 Hz, 30%

Item	Description
1. AM IF CHECKING	
1-1 Conditions of the receiver	
(1) Power source:	DC 12 V (When the power is supplied directly to the tuner in the receiver, the voltage should be adjusted to the proper level which shall be required by the tuner.)
(2) Function switch position:	RADIO
(3) Band select switch:	MW
(4) Volume control:	Minimum gain position
(5) S.E.A. control:	Center position
(6) Variable capacitor:	Near the minimum capacity position where no signal comes in.
1-2 Connection of sweeper and the receiver	
(1) Tuner input:	Positive side to TP1
(2) Tuner output:	Positive side to TP2 Negative side to TP3]
1-3 Aligning position:	
1-4 Checking (Waveform): 	Adjust AM I.F.T. (above mentioned aligning position) so that maximum and symmetrical waveform can be obtained. In this case, the wavehead should be appeared at the center marker (455 kHz) on the scope of sweeper.
2. FM IF CHECKING	
2-1 Conditions of the receiver	
(1) Power source:	Same as mentioned in item 1-1
(2) Function switch position:	RADIO
(3) Band select switch:	FM
(4) Volume control:	Minimum gain position
(5) Tone control:	Center position
(6) Varaible capacitor:	Near the minimum capacity position where no signal comes in.
2-2 Connection of sweeper and the receiver	
(1) Tuner input:	Positive side to TP7
(2) Tuner output:	Positive side to TP8 (Discriminate waveform at TP2) Negative side to TP3

Note: a) Attach a capacitor (30 pF) and a resistor (30 kΩ) to the positive side cable which shall be led from sweeper input.
b) Attach a resistor (100 kΩ) in series to the positive side cable which shall be led from sweeper output.

2-3 Checking FM IF waveforms
The waveform should be symmetrical. Depending on the IFTs used, the intermediate frequencies are as shown in the table below.



IFT color marking	Frequency (MHz)
Black	10.64±0.03
Blue	10.67±0.03
Red	10.70±0.03

IFT color marking	Frequency (MHz)
Orange	10.73±0.03
White	10.76±0.03

3. AM RF ALIGNMENT	
3-1 Conditions of the receiver	
(1) Power source:	Same as mentioned in item 1-1.
(2) Function switch position:	RADIO
(3) Volume control:	50 mW
(4) SEA control:	Center position
(5) Varaible capacitor:	Refer to the following list shown in item 3-4.
3-2 Conditions of SSG	
(1) Modulation:	Refer to the basic condition.
(2) Frequency:	Refer to the following list shown in item 3-4.
(3) Output level of the attenuator is SSG:	Approx. 50 mW
3-3 Power output measuring position:	Speaker terminals
3-4 Alignment:	

[PC-30 A/C/J/U/R]

Item			Description		
	Band Select Switch Position	Sort of Antenna to be attached to SSG	Frequency of SSG	Variable Capacitor Position	Aligning Position
1	MW	Loop Antenna	520 kHz	Max. capacity	L6
2			1,650 kHz	Min. capacity	TC-6
3			Adjust the above alignming position (L6 & TC-6) repeatedly so that the tuner can be received above frequency range (bandwidth).		
4			620 kHz	to be received 620 kHz	L2
5			1,400 kHz	to be received 1,400 kHz	TC-2
6			Adjust the above aligning position (L2 & TC-2) repeatedly so that the tuner can be obtained the best sensitivity.		
7	SW1	Loop Antenna	2.2 MHz	Max. capacity	L7
8			7.3 MHz	Min. capacity	TC-7
9			Adjust the above aligning position (L7 & TC-7) repeatedly so that the tuner can be received above frequency range (bandwidth).		
10			2.3 MHz	to be received 2.3 MHz	L3
11			7.0 MHz	to be received 7.0 MHz	TC-3
12			Adjust the above aligning position (L3 & TC-3) repeatedly so that the tuner can be obtained the best sensitivity.		
13	SW2	Dummy Antenna	6.8 MHz	Max. capacity	L8
14			22.7 MHz	Min. capacity	TC-8
15			Adjust the above aligning position (L8 & TC-8) repeatedly so that the tuner can be received above frequency range (bandwidth).		
16			7.0 MHz	to be received 7.0 MHz	L4
17			22.0 MHz	to be received 22.0 MHz	TC-4
18			Adjst the above aligning position (L4 & TC-4) repeatedly so that the tuner can be obtained the best sensitivity.		

4. FM RF ALIGNMENT

4-1 Conditions of the receiver	
(1) Power source:	Same as mentioned in item 1-1.
(2) Function switch position:	RADIO
(3) Band select switch:	FM
(4) Volume control:	50 mW
(5) S.E.A. control:	Center position
(6) Variable capacitor:	Refer to the following list shown in item 4-3.
4-2 Condition of FM SSG	
(1) Modulation:	Refer to the basic condition.
(2) Frequency:	Refer to the following list shown in item 4-3.
(3) Output level of the attenuator in FM SSG:	The level shall be decided by the load resistance of the receiver mentioned in the basic conditions.
4-3 Alignment:	

	Band Select Switch Position	Sort of Antenna to be attached to SSG	Frequency of SSG	Variable Capacitor Position	Aligning Position
1	FM	Dummy Antenna	87.5 MHz	Max. capacity	L5
2			109.0 MHz	Min. capacity	TC-5
3			Adjus the above aligning position (L5 & TC-5) repeatedly so that the tuner can be received above frequency range (bandwidth).		
4			90 MHz	to be received 90 MHz	L1
5			106 MHz	to be received 106 MHz	TC-1
6			Adjust the above aligning position (L1 & TC-1) repeatedly so that the tuner can be obtained the best sensitivity.		

5. FM MPX ALIGNMENT

19 kHz Alignment (Regular Method)

1. Connect a frequency counter through 100 kΩ load to the test point TP-4 (earth = TP-3).
2. Supply the monaural signal (98 MHz, 60 dB) across the test points TP-5 and TP-6.
3. Adjust the variable resistor VR1 so that the frequency becomes 19 kHz±100 Hz.

[PC-30 B/E/G]

Item			Description		
	Band Select Switch Position	Sort of Antenna to be attached to SSG	Frequency of SSG	Variable Capacitor Position	Aligning Position
1	LW	Loop Antenna	145 kHz	Max. capacity	L6
2			360 kHz	Min. capacity	TC-6
3			Adjust the above alignming position (L6 & TC-6) repeatedly so that the tuner can be received above frequency range (bandwidth).		
4			160 kHz	to be received 160 kHz	L3
5			350 kHz	to be received 350 kHz	TC-3
6			Adjust the above aligning position (L3 & TC-3) repeatedly so that the tuner can be obtained the best sensitivity.		
7	MW	Loop Antenna	520 kHz	Max. capacity	L7
8			1,650 kHz	Min. capacity	TC-7
9			Adjust the above aligning position (L7 & TC-7) repeatedly so that the tuner can be received above frequency range (bandwidth).		
10			620 kHz	to be received 620 kHz	L2
11			1,400 kHz	to be received 1400 kHz	TC-2
12			Adjust the above aligning position (L2 & TC-2) repeatedly so that the tuner can be obtained the best sensitivity.		
13	SW	Dummy Antenna	5.8 MHz	Max. capacity	L8
14			18.6 MHz	Min. capacity	TC-8
15			Adjust the above aligning position (L8 & TC-8) repeatedly so that the tuner can be received above frequency range (bandwidth).		
16			6.0 MHz	to be received 6.0 MHz	L4
17			18.0 MHz	to be received 18.0 MHz	TC-4
18			Adjst the above aligning position (L4 & TC-4) repeatedly so that the tuner can be obtained the best sensitivity.		

4. FM RF ALIGNMENT

4-1 Conditions of the receiver	
(1) Power source:	Same as mentioned in item 1-1.
(2) Function switch position:	RADIO
(3) Band select switch:	FM
(4) Volume control:	50 mW
(5) S.E.A. control:	Center position
(6) Variable capacitor:	Refer to the following list shown in item 4-3.
4-2 Condition of FM SSG	
(1) Modulation:	Refer to the basic condition.
(2) Frequency:	Refer to the following list shown in item 4-3.
(3) Output level of the attenuator in FM SSG:	The level shall be decided by the load resistance of the receiver mentioned in the basic conditions.
4-3 Alignment:	

	Band Select Switch Position	Sort of Antenna to be attached to SSG	Frequency of SSG	Variable Capacitor Position	Aligning Position
1	FM for PC-30 B/E	Dummy Antenna	87.5 MHz	Max. capacity	L5
2			109.0 MHz	Min. capacity	TC-5
3			Adjust the above aligning position (L5 & TC-5) repeatedly so that the tuner can be received above frequency range (bandwidth).		
4			90 MHz	to be received 90 MHz	L1
5			106 MHz	to be received 106 MHz	TC-1
6			Adjust the above aligning position (L1 & TC-1) repeatedly so that the tuner can be obtained the best sensitivity.		

	Band Select Switch Position	Sort of Antenna to be attached to SSG	Frequency of SSG	Variable Capacitor Position	Aligning Position
7	FM for PC-30 G	Dummy Antenna	87.5 ±0.1 MHz	Max. capacity	L5
8			108.3±0.05 MHz	Min. capacity	TC-5
9			Adjust the above aligning position (L5 & TC-5) repeatedly so that the tuner can be received above frequency range (bandwidth).		
10			90 MHz	to be received 90 MHz	L1
11			106 MHz	to be received 106 MHz	TC-1
12			Adjust the above aligning position (L1 & TC-1) repeatedly so that the tuner can be obtained the best sensitivity.		

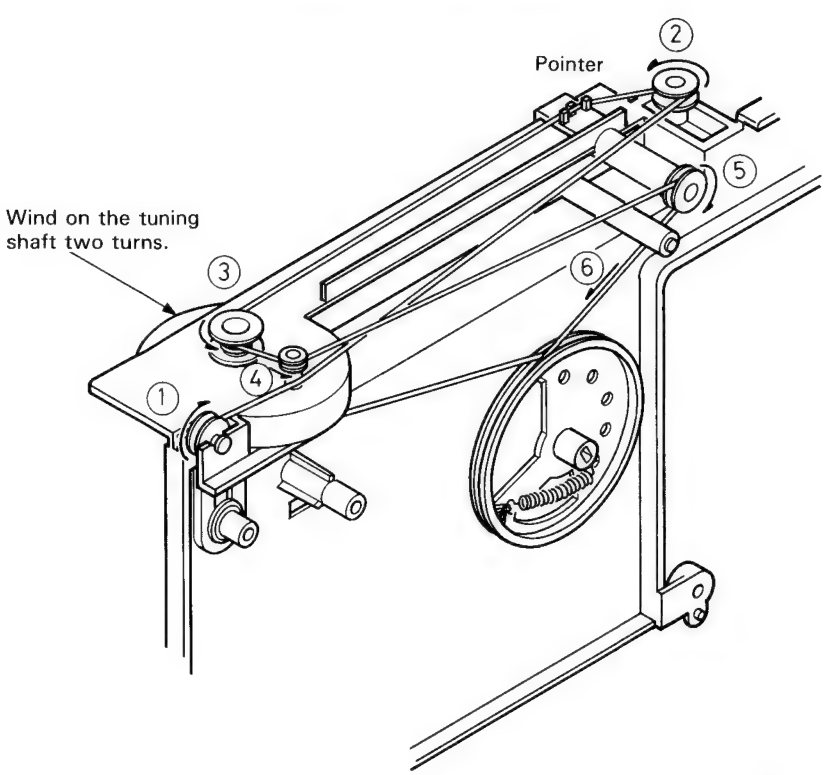
5. FM MPX ALIGNMENT

19 kHz Alignment (Regular Method)

1. Connect a frequency counter through 100 kΩ load to the test point TP-8 (earth = TP-7).
2. Supply the monaural signal (98 MHz, 60 dB) across the test points TP1 and TP2.
3. Adjust the variable resistor VR1 so that the frequency becomes 19 kHz±100 Hz.

How to Engage Dial Cord

1. Turn the dial drum fully clockwise (to the highest frequency).
2. Use Kevlar cord (920 mm long and 0.5 mm in diameter).
3. Install the string in the sequence of the numbers.



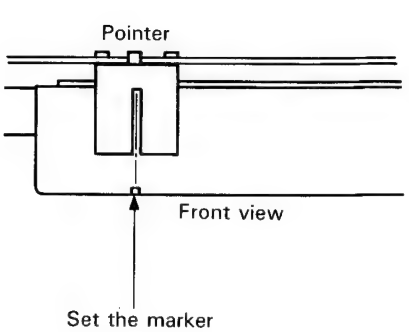


Fig. 17

Block Diagram

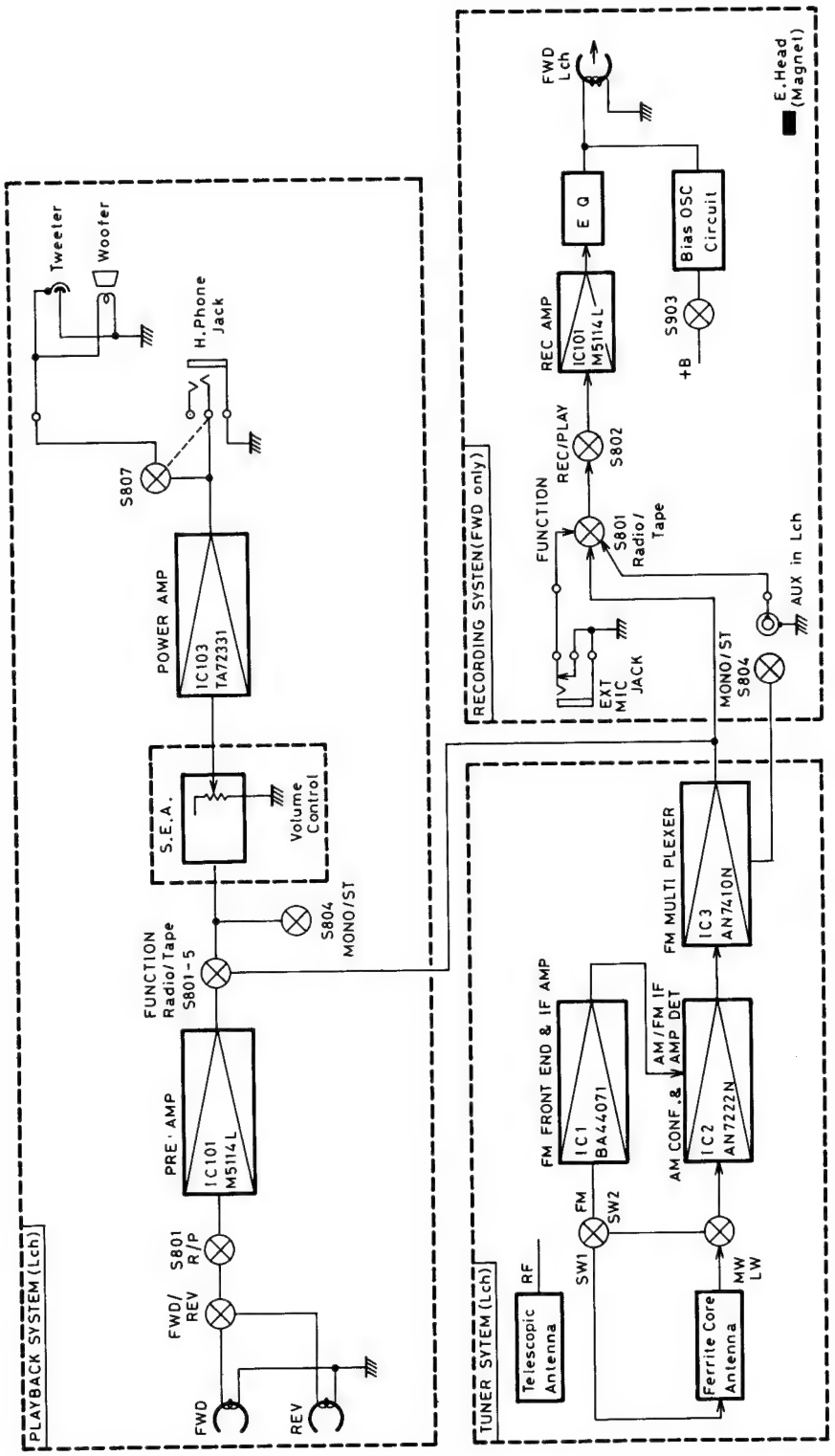
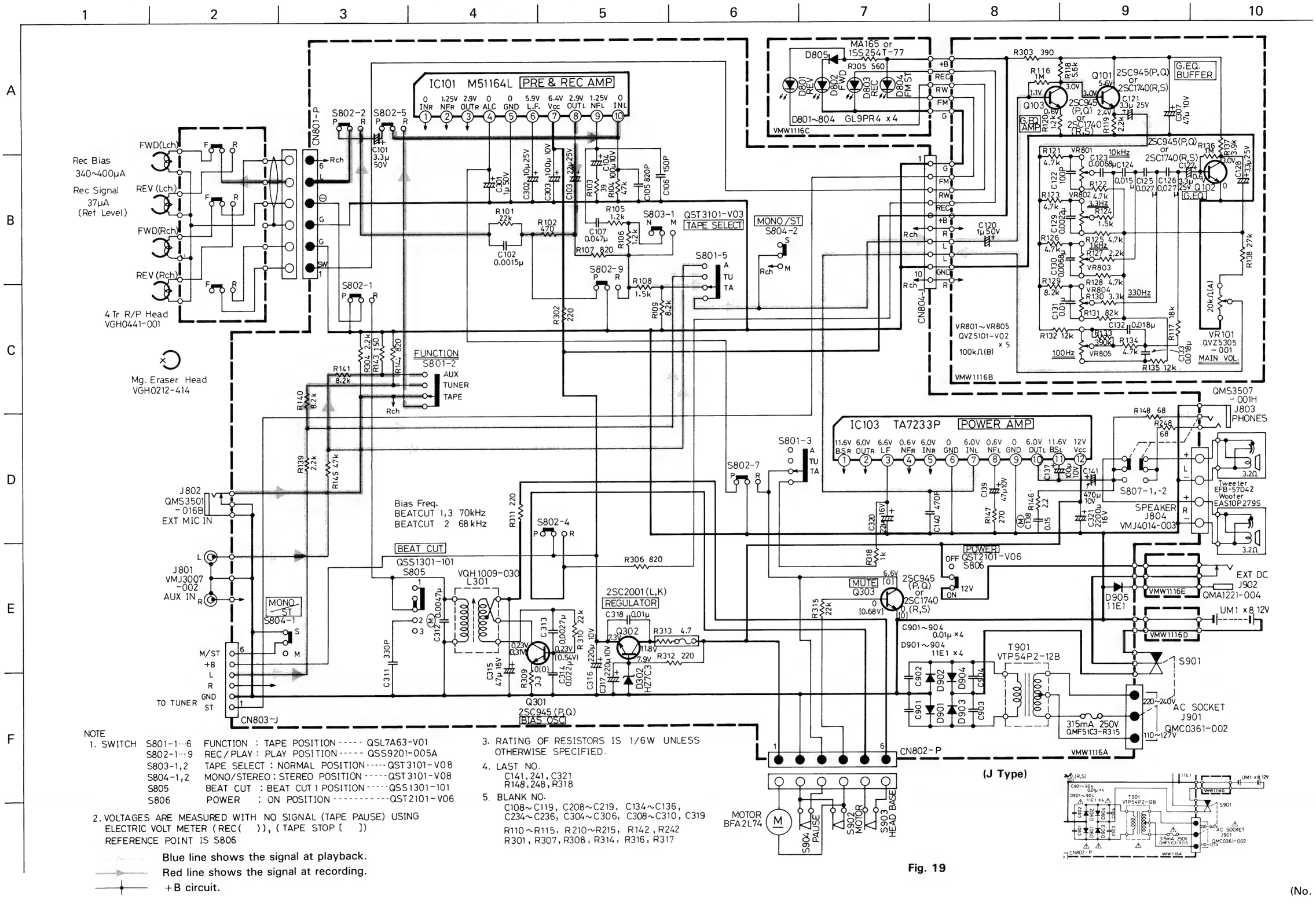


Fig. 18

Standard Schematic Diagram of PC-30 (Amplifier Circuit)



NOTE

1. SWITCH

S801-1…6	FUNCTION : TAPE POSITION -----	QSL7A63-V01
S802-1…9	REC/PLAY : PLAY POSITION -----	QSS9201-005A
S803-1,2	TAPE SELECT : NORMAL POSITION -----	QST3101-V08
S804-1,2	MONO/STEREO : STEREO POSITION -----	QST3101-V08
S805	BEAT CUT : BEAT CUT 1 POSITION -----	QSS1301-101
S806	POWER : ON POSITION -----	QST2101-V06

2. VOLTAGES ARE MEASURED WITH NO SIGNAL (TAPE PAUSE) USING ELECTRIC VOLT METER (REC( )), (TAPE STOP [ ])
REFERENCE POINT IS S806

3. RATING OF RESISTORS IS 1/6W UNLESS OTHERWISE SPECIFIED.

4. LAST NO.
C141, 241, C321
R148, 248, R318

5. BLANK NO.
C108~C119, C208~C219, C134~C136, C234~C236, C304~C306, C308~C310, C319
R110~R115, R210~R215, R142, R242
R301, R307, R308, R314, R316, R317

Blue line shows the signal at playback.
Red line shows the signal at recording.
+B circuit.

(J Type)

Fig. 19

Standard Schematic Diagram of PC-30 (Tuner of PC-30 A/C/J/R/U)

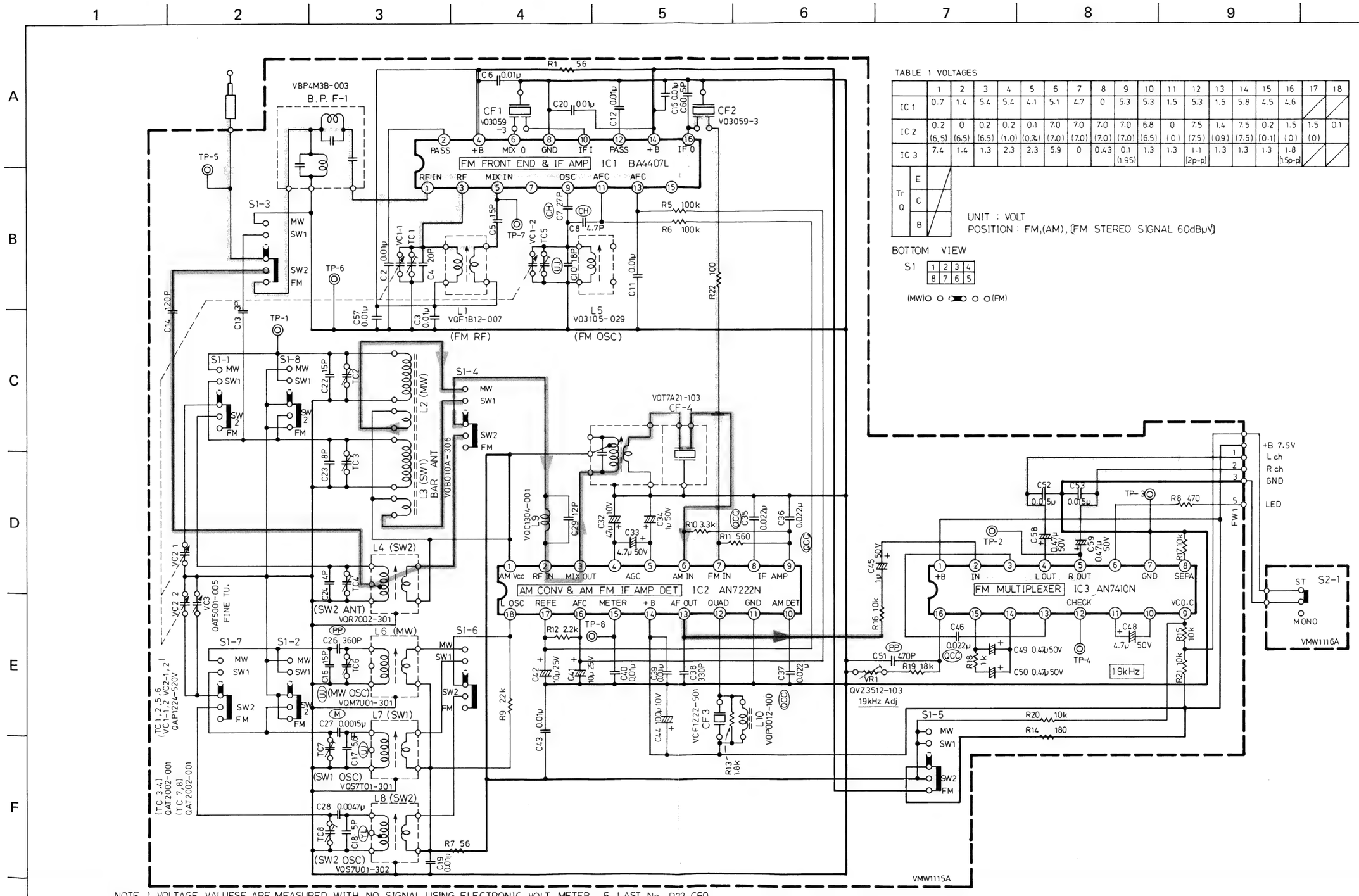


TABLE 1 VOLTAGES

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
IC 1	0.7	1.4	5.4	5.4	4.1	5.1	4.7	0	5.3	5.3	1.5	5.3	1.5	5.8	4.5	4.6		
IC 2	0.2 (6.5)	0 (6.5)	0.2 (6.5)	0.2 (1.0)	0.1 (0.2)	7.0 (7.0)	7.0 (7.0)	7.0 (7.0)	7.0 (7.0)	6.8 (6.5)	0 (0)	7.5 (7.5)	1.4 (0.9)	7.5 (7.5)	0.2 (0.1)	1.5 (0)	1.5 (0)	0.1
IC 3	7.4	1.4	1.3	2.3	2.3	5.9	0	0.43	0.1 (1.95)	1.3	1.3	1.1 [2p-p]	1.3	1.3	1.3	1.8 [1.5p-p]		
Tr 0 E																		
Tr 0 C																		
Tr 0 B																		

UNIT : VOLT
POSITION : FM,(AM), (FM STEREO SIGNAL 60dBμV)

BOTTOM VIEW

S1

1	2	3	4
8	7	6	5

(MW) ○ ○ ○ ○ ○ (FM)

NOTE 1 VOLTAGE VALUESE ARE MEASURED WITH NO SIGNAL USING ELECTRONIC VOLT METER.
2 S1-1~8 (BAND SELECT SWITCH) IS FM POSITION (QSS8401-001)
3 S2 (FM MONO/ST SWITCH) IS STEREO POSITION (QST3101-V08)
4 RATING OF RESISTORS IS 1/6W UNLESS OTHERWISE SPECIFIED.
5 LAST No R22, C60
6 BLANK No R2, 3, 4
C21, 25, 31, 47, 54~56, 9, 1, 30
7 AT PC-30C
C52 0.015μ → 0.022μ
C53 0.015μ → 0.022μ

Blue line shows the signal at FM.
Red line shows the signal at AM.
+B circuit.

Fig. 20

Standard Schematic Diagram of PC-30 (Tuner of PC-30 B/E/G)

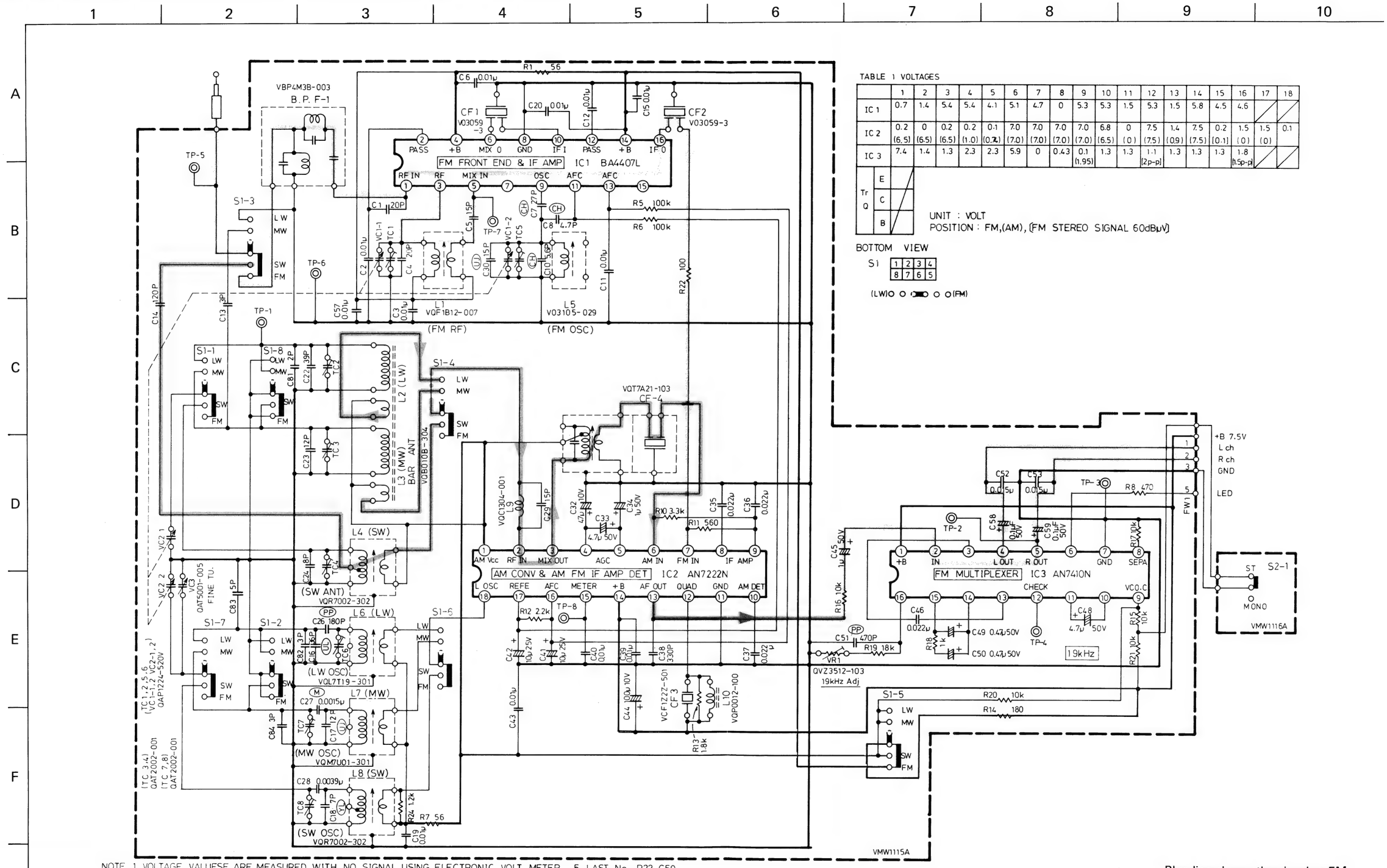


TABLE 1 VOLTAGES

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
IC 1	0.7	1.4	5.4	5.4	4.1	5.1	4.7	0	5.3	5.3	1.5	5.3	1.5	5.8	4.5	4.6		
IC 2	0.2 (6.5)	0 (6.5)	0.2 (6.5)	0.2 (1.0)	0.1 (0.7)	7.0 (7.0)	7.0 (7.0)	7.0 (7.0)	7.0 (7.0)	6.8 (6.5)	0 (0)	7.5 (7.5)	1.4 (0.9)	7.5 (7.5)	0.2 (0.1)	1.5 (0)	1.5 (0)	0.1
IC 3	7.4	1.4	1.3	2.3	2.3	5.9	0	0.43	0.1 (1.95)	1.3	1.3	1.1 (2p-p)	1.3	1.3	1.3	1.8 (1.5p-p)		
Tr Q E																		
Tr Q C																		
Tr Q B																		

UNIT : VOLT
POSITION : FM, (AM), (FM STEREO SIGNAL 60dBμV)

BOTTOM VIEW

S1

1	2	3	4
8	7	6	5

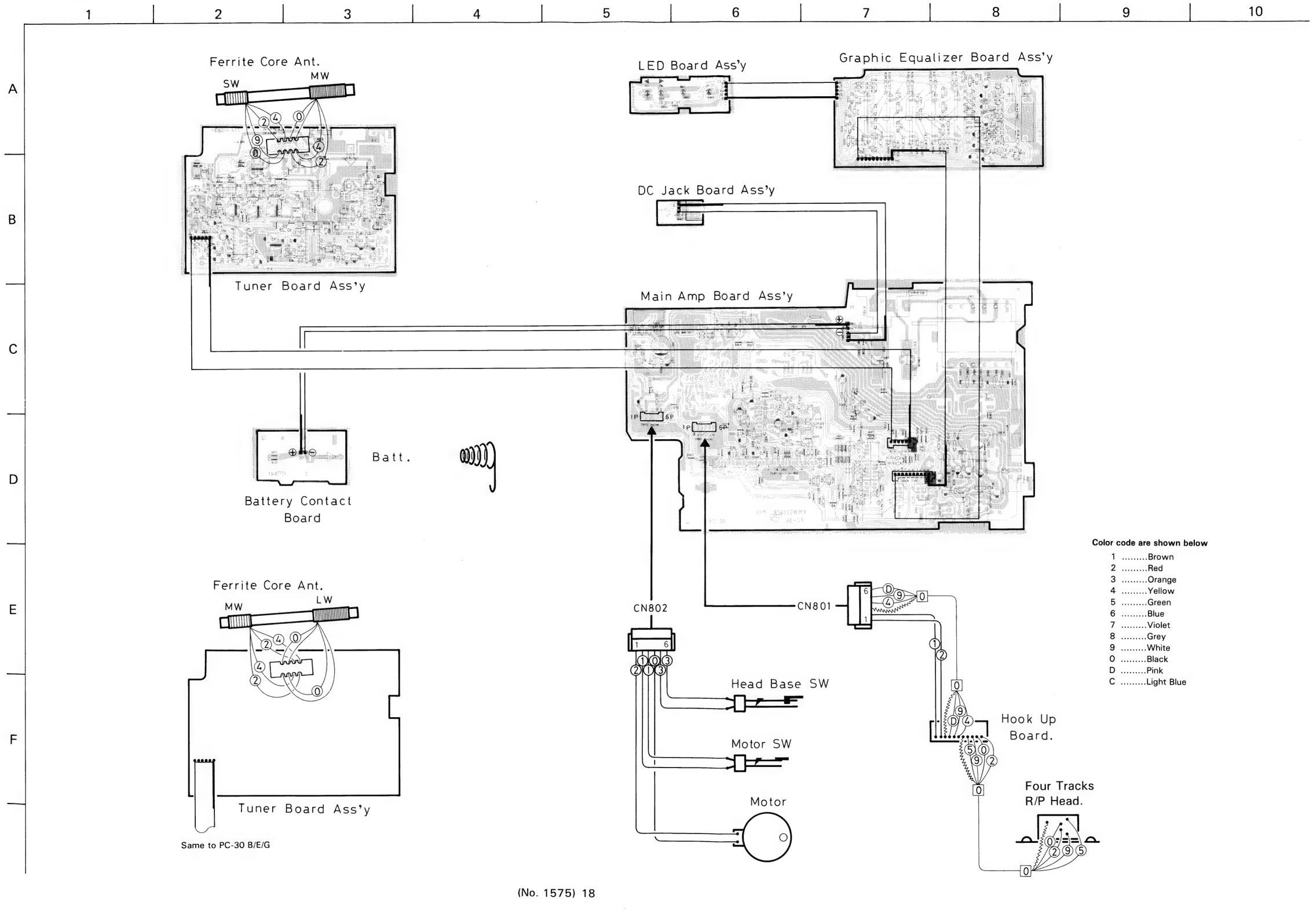
(LW) O O ▬ O O (FM)

NOTE 1 VOLTAGE VALUESE ARE MEASURED WITH NO SIGNAL USING ELECTRONIC VOLT METER.
2 S1-1~8 (BAND SELECT SWITCH) IS FM POSITION (QSS8401-001)
3 S2 (FM MONO/ST SWITCH) IS STEREO POSITION (QST3101-V08)
4 RATING OF RESISTORS IS 1/6W UNLESS OTHERWISE SPECIFIED.
5 LAST No R22, C59
6 BLANK No R2, 3, 4
C21, 25, 31, 47, 54~56, 9

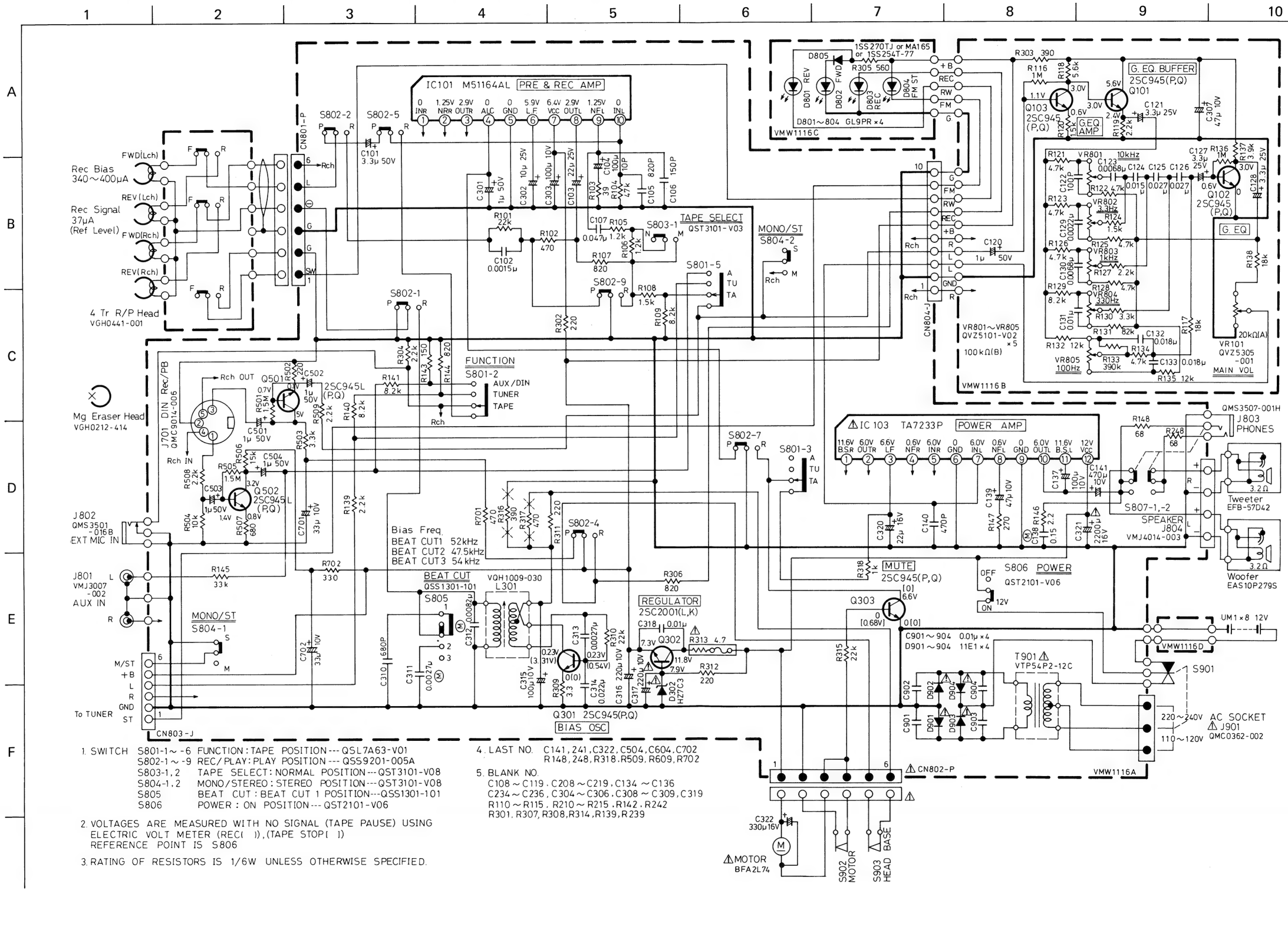
Blue line shows the signal at FM.
Red line shows the signal at AM.
+B circuit.

Fig. 21

Wiring Connections



Standard Schematic Diagram of PC-30 G (Amplifier Circuit)



1. SWITCH
   - S801-1~-6 FUNCTION: TAPE POSITION --- QSL7A63-V01
   - S802-1~-9 REC/PLAY: PLAY POSITION --- QSS9201-005A
   - S803-1,2 TAPE SELECT: NORMAL POSITION --- QST3101-V08
   - S804-1,2 MONO/STEREO: STEREO POSITION --- QST3101-V08
   - S805 BEAT CUT: BEAT CUT 1 POSITION --- QSS1301-101
   - S806 POWER: ON POSITION --- QST2101-V06

2. VOLTAGES ARE MEASURED WITH NO SIGNAL (TAPE PAUSE) USING ELECTRIC VOLT METER (REC( )),(TAPE STOP( ))
   REFERENCE POINT IS S806

3. RATING OF RESISTORS IS 1/6W UNLESS OTHERWISE SPECIFIED.

4. LAST NO. C141,241,C322,C504,C604,C702
   R148,248,R318,R509,R609,R702

5. BLANK NO.
   C108~C119, C208~C219, C134~C136
   C234~C236, C304~C306, C308~C309, C319
   R110~R115, R210~R215, R142, R242
   R301, R307, R308, R314, R139, R239

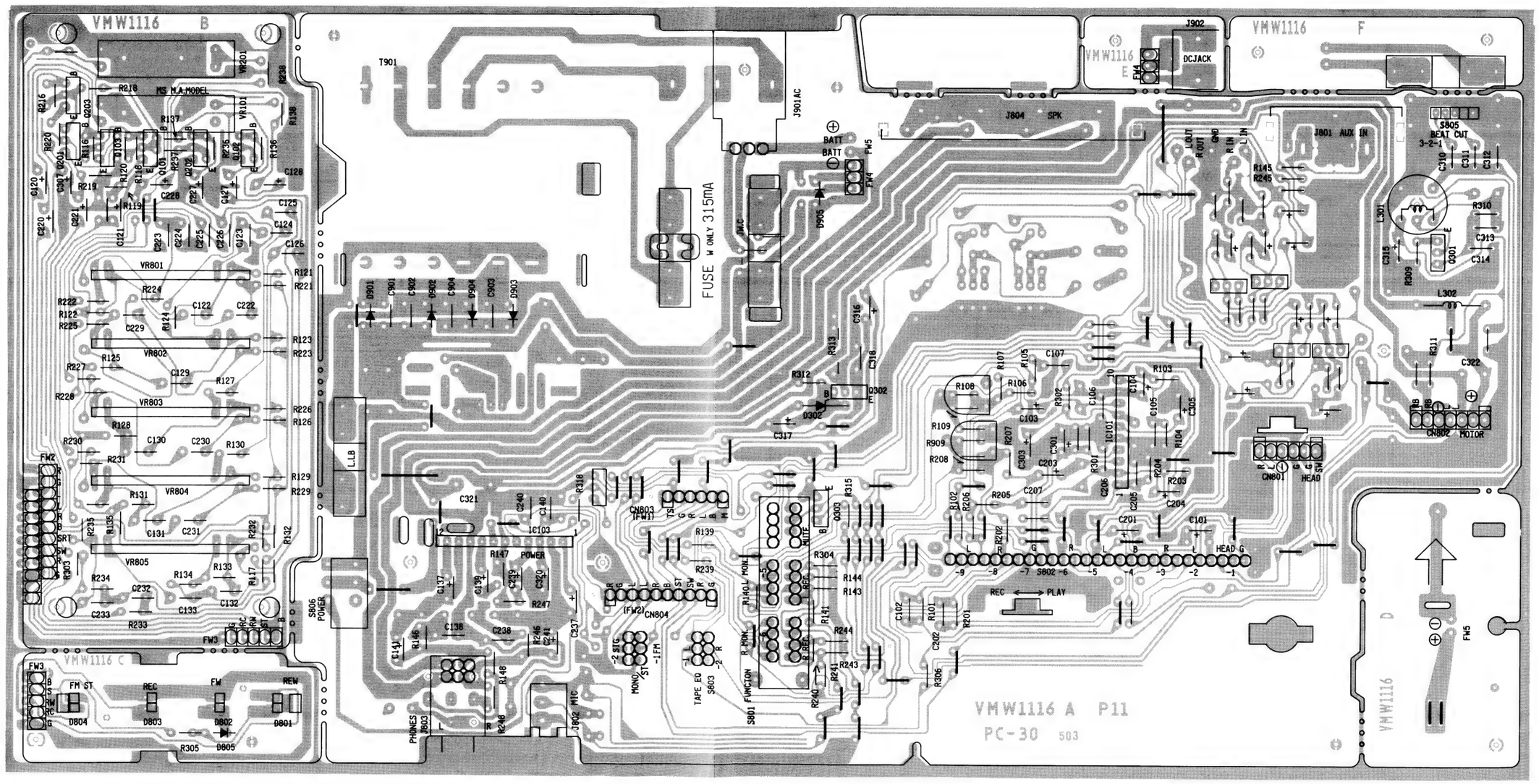
Main P.C. Board Parts (Pattern Side) PC-30 G version

1 2 3 4 5 6 7 8 9 10

A B C D E F

S.E.A. P.C. Board

Amplifier P.C. Board



Main P.C. Board Parts (Pattern Side)

Amplifier P.C. Board

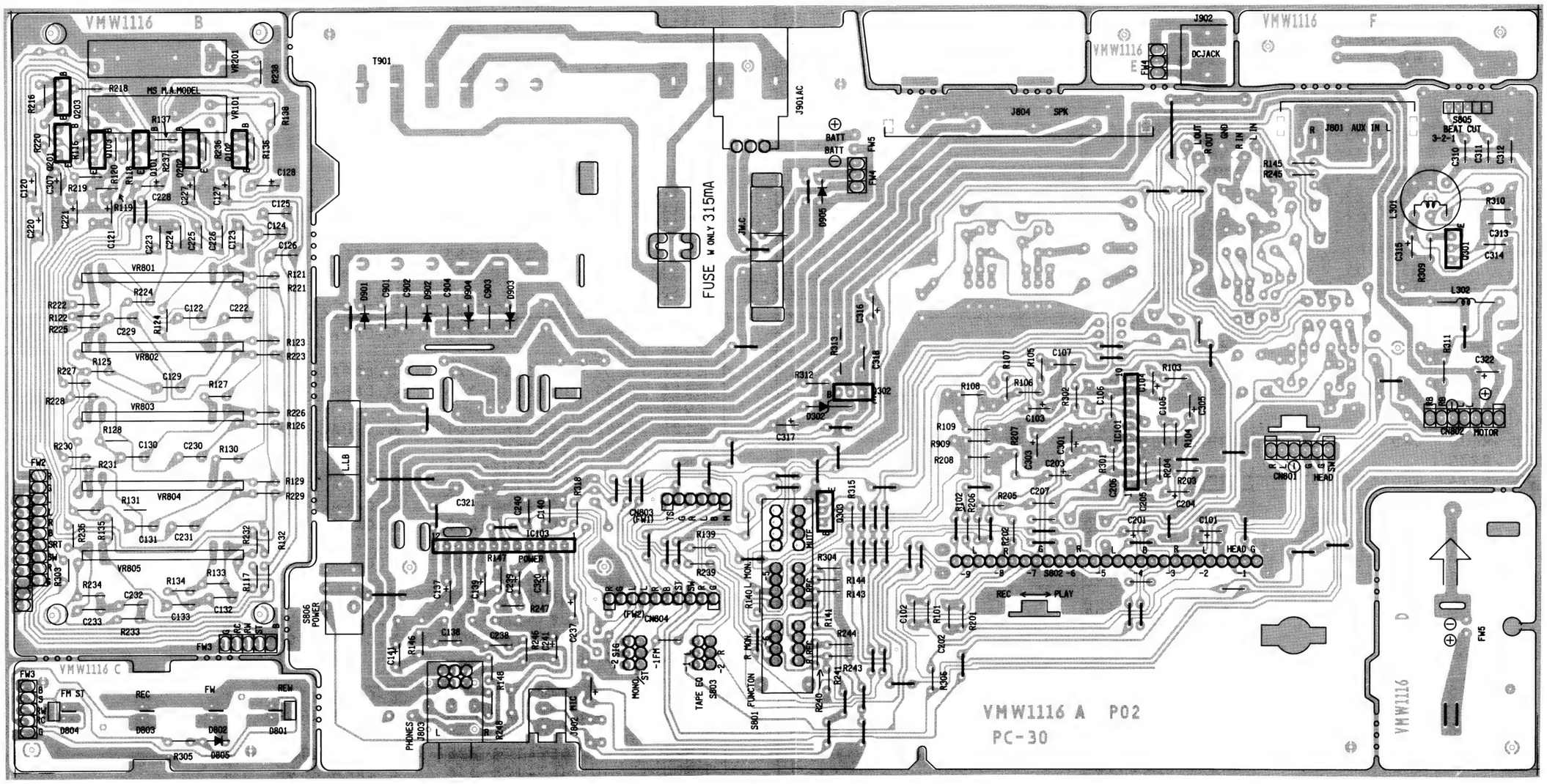


Fig. 23

Amplifier P.C. Board Parts List

⚠ parts are safety assurance parts.
When replacing those parts, make sure to use the specified one.

⚠	REF. NO	PARTS NO.	PARTS NAME	REMARKS	QTY
	IC101	M51164L	I.C. (M)		1
⚠	IC103	TA7233P	I.C.		1
⚠	Q302	2SC2001(L,K)	TRANSISTOR		1
	Q101 -Q103	2SC945(P,Q)	TRANSISTOR		8
	Q201 -Q203				
	Q301 ,Q303				
	D801 -D804	GL-9PR4	L.E.D.		4
⚠	D302	HZ7C3	Z DIODE		1
	D805	1SS254T-77	SI.DIODE		1
⚠	D901 -D905	11E1-TB2	SI DIODE		5
	VR801-VR805	QVZ5101-V02	V.RESISTOR		5
	VR101,VR201	QVZ5305-001	V.RESISTOR		2
	CN803	E04365-006	CONNECTOR		1
	CN804	E04365-010	CONNECTOR		1
	CN801,CN802	QMV5005-006	PLUG		2
	S801	QSL7A63-V01	LEVER SWITCH		1
	S805	QSS1301-101	SLIDE SWITCH		1
	S802	QSS9201-005A	SLIDE SW		1
	S806	QST2101-V06	PUSH SWITCH		1
	S803 ,S804	QST3101-V08	PUSH SWITCH		2
	L301	VQH1009-030	COIL		1
	R318	QRD161J-102	CARBON RESISTOR		1
	R116 ,R136	QRD161J-105	CARBON RESISTOR		4
	R216 ,R236				
	R105 ,R106	QRD161J-122	CARBON RESISTOR		6
	R120 ,R205				
	R206 ,R220				
	R132 ,R135	QRD161J-123	CARBON RESISTOR		4
	R232 ,R235				
	R108 ,R124	QRD161J-152	CARBON RESISTOR		4
	R208 ,R224				
	R143 ,R243	QRD161J-181	CARBON RESISTOR		2
	R117 ,R217	QRD161J-183	CARBON RESISTOR		2
	R146 ,R246	QRD161J-2R2	C RESISTOR		2
	R302 ,R311	QRD161J-221	CARBON RESISTOR		3
	R312				
	R119 ,R127	QRD161J-222	CARBON RESISTOR		7
	R139 ,R219				
	R227 ,R239				
	R304				
	R310 ,R315	QRD161J-223	CARBON RESISTOR		2
	R147 ,R247	QRD161J-271	CARBON RESISTOR		2
	R101 ,R138	QRD161J-273	CARBON RESISTOR		4
	R201 ,R238				
	R309	QRD161J-3R3	CARBON RESISTOR		1
	R130 ,R230	QRD161J-332	CARBON RESISTOR		2
	R103 ,R203	QRD161J-390	C RESISTOR		2
	R303	QRD161J-391	CARBON RESISTOR		1
	R137 ,R237	QRD161J-392	CARBON RESISTOR		2
	R133 ,R233	QRD161J-394	CARBON RESISTOR		2
	R102 ,R202	QRD161J-471	CARBON RESISTOR		2
	R121 -R123	QRD161J-472	CARBON RESISTOR		14
	R125 ,R126				
	R128 ,R134				
	R221 -R223				

⚠	REF. NO	PARTS NO.	PARTS NAME	REMARKS	QTY
	R225 ,R226				
	R228 ,R234				
	R104 ,R145	QRD161J-473	CARBON RESISTOR		4
	R204 ,R245				
	R305	QRD161J-561	CARBON RESISTOR		1
	R118 ,R218	QRD161J-562	CARBON RESISTOR		2
	R148 ,R248	QRD161J-680	CARBON RESISTOR		2
	R141 ,R241	QRD161J-682	CARBON RESISTOR		2
	R107 ,R144	QRD161J-821	CARBON RESISTOR		5
	R207 ,R244				
	R306				
	R109 ,R129	QRD161J-822	CARBON RESISTOR		8
	R131 ,R140				
	R209 ,R229				
	R231 ,R240				
⚠	R313	QRZ0052-4R7	CARBON RESISTOR		1
	C131 ,C231	QCC11EM-103	C.CAPACITOR		2
	C124 ,C224	QCC11EM-153	C.CAPACITOR		2
	C132 ,C133	QCC11EM-183	C CAPACITOR		4
	C232 ,C233				
	C314	QCC11EM-223	C.CAPACITOR		1
	C125 ,C126	QCC11EM-273	C CAPACITOR		4
	C225 ,C226				
	C107 ,C207	QCC11EM-473	C.CAPACITOR		2
	C318 ,C901	QCF11HP-103	C.CAPACITOR		5
	C902 -C904				
	C122 ,C222	QCS11HJ-101	C.CAPACITOR		2
	C106 ,C206	QCS11HJ-151	C.CAPACITOR		2
	C311	QCS11HJ-331	C.CAPACITOR		1
	C140 ,C240	QCS11HJ-471	C.CAPACITOR		2
	C102 ,C202	QCY41HK-122	C.CAPACITOR		2
	C129 ,C229	QCY41HK-222	C.CAPACITOR		2
	C313	QCY41HK-272	C.CAPACITOR		1
	C123 ,C130	QCY41HK-682	C.CAPACITOR		4
	C223 ,C230				
	C105 ,C205	QCY41HK-821	C.CAPACITOR		2
	C141 ,C241	QET41AM-477	E.CAPACITOR		2
	C104 ,C137	QET41AR-107	E.CAPACITOR		5
	C204 ,C237				
	C303				
	C316 ,C317	QET41AR-227	E CAPACITOR		2
	C139 ,C239	QET41AR-476	E CAPACITOR		4
	C307 ,C315				
	C321	QET41CR-228	E.CAPACITOR		1
	C320	QET41CR-336	E CAPACITOR		1
	C302	QET41ER-106	E.CAPACITOR		1
	C103 ,C203	QET41ER-226	E CAPACITOR		2
	C120 ,C220	QET41HR-105	E.CAPACITOR		3
	C301				
	C101 ,C121	QET41HR-335	E.CAPACITOR		8
	C127 ,C128				
	C201 ,C221				
	C227 ,C228				
	C312	QFN41HJ-472	M.CAPACITOR		1
	C138 ,C238	QFV41HJ-154	TF.CAPACITOR		2

⚠	REF. NO	PARTS NO.	PARTS NAME	REMARKS	QTY
⚠	J902	QMA1221-004	DC JACK		1
⚠	J901	QMC0361-002	AC SOCKET		1
	J802	QMS3501-016B	JACK		1
	J803	QMS3507-001H	HEADPHON JACK		1
	J801	VMJ3007-002	JACK		1
	J804	VMJ4014-003	SPK.TERMINAL		1
⚠	—	VND4057-002	UL FUSE SEAL	PC-30 J	1
⚠	—	VND4003-055	FUSE SEAL	PC-30 J	1
⚠	—	TAZ000331-02	FUSE CLIP	PC-30 J/U	2
	Q501 ,Q502	2SC945L(P,Q)	TRANSISTOR	PC-30 G DIN CIRCUIT	4
	Q601 ,Q602				
	R504 ,R604	QRD161J-103	CARBON RESISTOR	〃	2
	R506 ,R606	QRD161J-153	CARBON RESISTOR	〃	2
	R505 ,R605	QRD161J-155	CARBON RESISTOR	〃	2
	R502 ,R602	QRD161J-221	CARBON RESISTOR	〃	2
	R501 ,R601	QRD161J-225	C RESISTOR	〃	2
	R507 ,R607	QRD161J-331	CARBON RESISTOR	〃	2
	R503 ,R603	QRD161J-332	CARBON RESISTOR	〃	2
	R701	QRD161J-471	CARBON RESISTOR	〃	1
	C701	QET41AR-336	E.CAPACITOR	〃	1
	C501 -C504	QET41HR-105	E.CAPACITOR	〃	8
	C601 ,C603				
	C604				
	J701	QMC9014-006	DIN SOCKET	〃	1

Tuner P.C. Board Parts

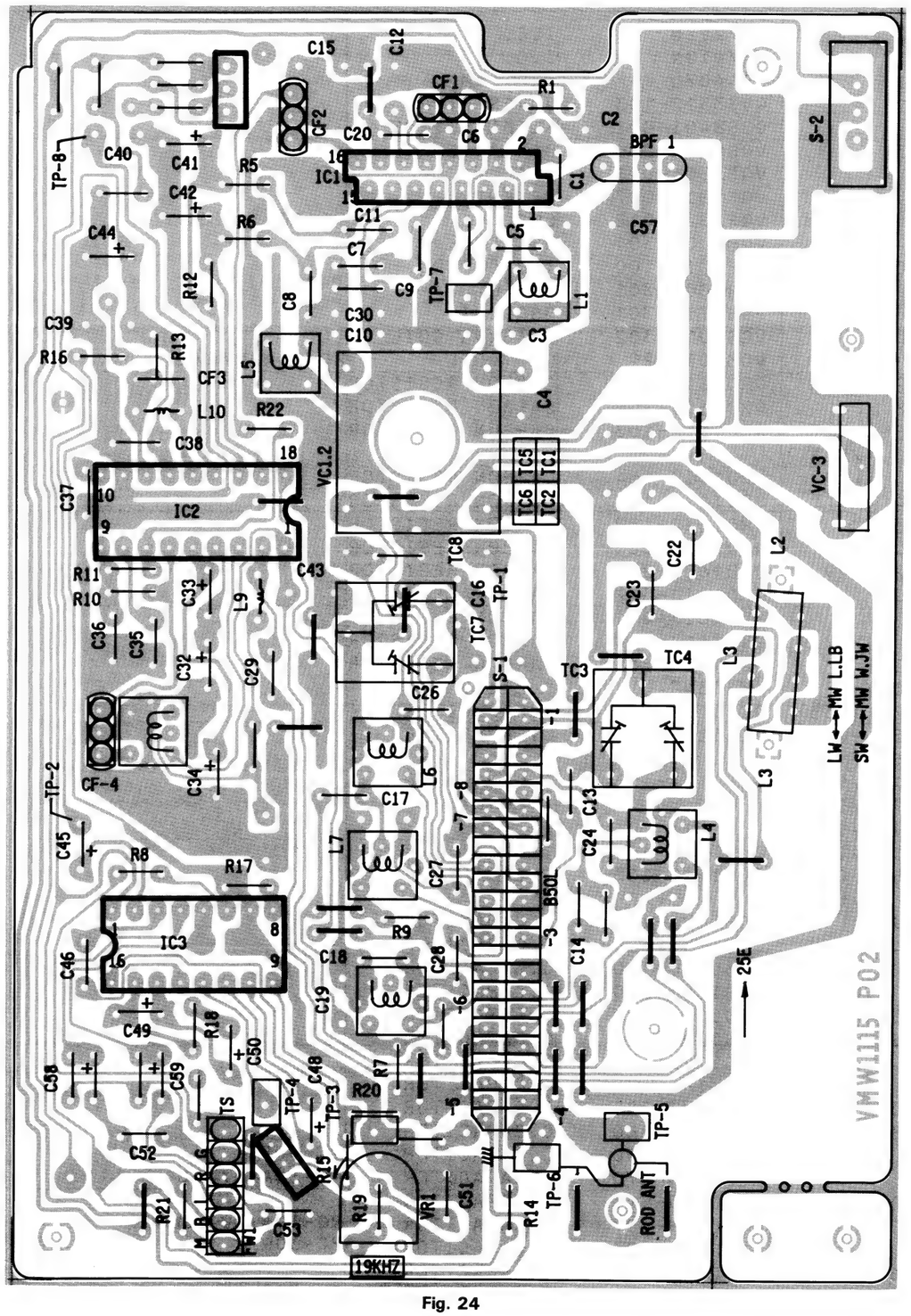


Fig. 24

Tuner P.C. Board (PC-30 A/C/J/R/U)

⚠ parts are safety assurance parts.
When replacing those parts, make sure to use the specified one.

⚠	REF. NO	PARTS NO.	PARTS NAME	REMARKS	QTY
	IC2	AN7222N	I.C.		1
	IC3	AN7410N	I.C.		1
	IC1	BA4407L	I.C. (M)		1
	VR1	QVZ3512-103	V RESISTOR		1
	S1	QSS8401-001	SLIDE SWITCH		1
	L23	VQB010A-306	BAR ANTENNA		1
	L9	VQC1304-001	COIL		1
	L1	VQF1B12-007	RF COIL		1
	L5	VQF1B20-012	COIL	PC-30R	1
	L6	VQM7U01-301	OSC COIL		1
	L10	VQP0012-100	INDICATOR		1
	L4	VQR7002-301	RF COIL		1
	L7	VQS7T01-301	OSC COIL		1
	L8	VQS7U01-302	ANTENNA COIL		1
	L5	V03105-029	OSC COIL	PC-30A/C/J/U	1
	R22	QRD161J-101	CARBON RESISTOR		1
	R18	QRD161J-102	CARBON RESISTOR		1
	R15 -R17	QRD161J-103	CARBON RESISTOR		5
	R20 ,R21				
	R5 ,R6	QRD161J-104	CARBON RESISTOR		2
	R14	QRD161J-181	CARBON RESISTOR		1
	R13	QRD161J-182	CARBON RESISTOR		1
	R19	QRD161J-183	CARBON RESISTOR		1
	R12 ,R9	QRD161J-222	CARBON RESISTOR		2
	R10	QRD161J-332	CARBON RESISTOR		1
	R8	QRD161J-471	CARBON RESISTOR		1
	R1 ,R7	QRD161J-560	CARBON RESISTOR		2
	R11	QRD161J-561	CARBON RESISTOR		1
	CF123	KMFC342	C FILTER KIT		1
	C52 ,C53	QCC11EM-153	C.CAPACITOR		2
	C35 -C37	QCC11EM-223	C.CAPACITOR		4
	C46				
	C11 ,C12	QCF11EZ-103	C.CAPACITOR		8
	C19 ,C20				
	C39 ,C40				
	C43 ,C6				
	C15 ,C2	QCF11HP-103	C.CAPACITOR		4
	C3 ,C57				
	C29	QCS11HJ-120	C.CAPACITOR		1
	C14	QCS11HJ-121	C.CAPACITOR		1
	C22	QCS11HJ-150	C.CAPACITOR		1
	C4	QCS11HJ-200	C.CAPACITOR		1
	C13	QCS11HJ-3R0	C.CAPACITOR		1
	C38	QCS11HJ-331	C.CAPACITOR		1
	C24	QCS11HJ-4R0	C.CAPACITOR		1
	C5	QCS11HJ-470	C.CAPACITOR	PC-30R	1
	C60	QCS11HJ-5R0	C CAPACITOR		1
	C23	QCS11HJ-8R0	C.CAPACITOR		1
	C7	QCT05CH-100	C.CAPACITOR	PC-30R	1
	C7	QCT05CH-270	C CAPACITOR	PC-30A/C/J/U	1
	C30	QCT05CH-3R3	C CAPACITOR		1
	C8	QCT05CH-4R7	C CAPACITOR	PC-30A/C/J/U	1
	C8	QCT05CH-5R6	C CAPACITOR	PC-30R	1
	C16	QCT05UJ-150	C.CAPACITOR		1
	C10	QCT05UJ-180	C CAPACITOR	PC-30A/C/J/U	1
	C10	QCT05UJ-5R6	C CAPACITOR	PC-30R	1
	C18	QCT05YL-5R0	C.CAPACITOR		1
	C28	QCY41HK-472	C.CAPACITOR		1
	C44	QET41AR-107	E.CAPACITOR		1
	C32	QET41AR-476	E CAPACITOR		1
	C41 ,C42	QET41ER-106	E.CAPACITOR		2
	C34 ,C45	QET41HR-105	E.CAPACITOR		2
	C49 ,C50	QET41HR-474	E.CAPACITOR		4
	C58 ,C59				
	C33 ,C48	QET41HR-475	E.CAPACITOR		2
	C27	QFN41HJ-152	M.CAPACITOR		1
	C26	QFP42AJ-361	PP CAPACITOR		1
	C51	QFP42AJ-471	PP CAPACITOR		1
	CF4	VQT7A21-103	I.F.TRANSFORMER		1
	FW1	VWS306-25B24K	UL CP JUMPER		1
	TC3,4,TC7,8	QAT2002-001	T CAPACITOR		2
	VC1,2	QAP1224-520V	V.CAPACITOR		1
	VC3	QAT5001-005	T.CAPACITOR		1
	BPF1	VBP4M3B-003	B.PASS FILTER		1
	———	VYH5122-002	SHIELD		1
	C5	QCS11HJ-150	C.CAPACITOR	PC-30A/C/J/U	1
	C17	QCT05UJ-5R6	C CAPACITOR		1

Tuner P.C. Board Parts List (PC-30 B/E/G)

⚠ parts are safety assurance parts.
When replacing those parts, make sure to use the specified one.

⚠	REF. NO	PARTS NO.	PARTS NAME	REMARKS	QTY
	IC2	AN7222N	I.C.		1
	IC3	AN7410N	I.C.		1
	IC1	BA4407L	I.C. (M)		1
	D1	MA165	SI.DIODE		1
	VR1	QVZ3512-103	V RESISTOR		1
	S1	QSS8401-001	SLIDE SWITCH		1
	L23	VQB010B-304	BAR ANTENNA		1
	L9	VQC1304-001	COIL		1
	L1	VQF1B12-007	RF COIL		1
	L6	VQL7T19-301	OSC COIL		1
	L7	VQM7U01-301	OSC COIL		1
	L10	VQP0012-100	INDICATOR		1
	L4	VQR7002-302	RF COIL		1
	L8	VQS7U01-303	OSC COIL		1
	L5	V03105-029	OSC COIL		1
	R22	QRD161J-101	CARBON RESISTOR		1
	R18	QRD161J-102	CARBON RESISTOR		1
	R15 -R17	QRD161J-103	CARBON RESISTOR		5
	R20 ,R21				
	R5 ,R6	QRD161J-104	CARBON RESISTOR	PC-30B/E	2
	R14	QRD161J-181	CARBON RESISTOR		1
	R19	QRD161J-183	CARBON RESISTOR		1
	R12	QRD161J-222	CARBON RESISTOR		1
	R10	QRD161J-332	CARBON RESISTOR		1
	R8	QRD161J-471	CARBON RESISTOR		1
	R25	QRD161J-474	C RESISTOR		1
	R1 ,R7	QRD161J-560	CARBON RESISTOR		2
	R11	QRD161J-561	CARBON RESISTOR		1
	R24	QRD161J-681	CARBON RESISTOR	PC-30G	1
	R23	QRD161J-683	CARBON RESISTOR		1
	R344	QRD161J-821	CARBON RESISTOR	PC-30B/E	1
	CF123	KMFC342	C FILTER KIT		1
	C52 ,C53	QCC11EM-153	C.CAPACITOR		2
	C35 -C37	QCC11EM-223	C.CAPACITOR		4
	C46				
	C11 ,C12	QCF11EZ-103	C.CAPACITOR		10
	,C19				
	,C20				
	,C39				
	C40 ,C43				
	C57 ,C6				
	C2 ,C3	QCF11HP-103	C.CAPACITOR	PC-30B/E	2
	C57 ,C85				
	C83	QCF11HP-223	C.CAPACITOR		1
	C84	QCS11HJ-101	C.CAPACITOR		1
	C23 ,C29	QCS11HJ-120	C.CAPACITOR		2
	C14	QCS11HJ-121	C.CAPACITOR		1
	C5	QCS11HJ-150	C.CAPACITOR		1
	C4	QCS11HJ-200	C.CAPACITOR		1
	C4	QCS11HJ-220	C.CAPACITOR		1
	C81 ,C82	QCS11HJ-3R0	C.CAPACITOR		2
	C22	QCS11HJ-330	C.CAPACITOR		1
	C38	QCS11HJ-331	C.CAPACITOR		1
	C16	QCS11HJ-360	C.CAPACITOR		1
	C60	QCS11HJ-5R0	C CAPACITOR		1
	C24	QCS11HJ-8R0	C.CAPACITOR		1
	C30	QCT05CH-150	C.CAPACITOR	PC-30G	1
	C7	QCT05CH-270	C CAPACITOR		1
	C30	QCT05CH-3R3	C CAPACITOR	PC-30B/E	1
	C8	QCT05CH-4R7	C CAPACITOR		1
	C17	QCT05UJ-120	C CAPACITOR		1
	C10	QCT05UJ-180	C CAPACITOR	PC-30B/E	1
	C10	QCT05UJ-6R8	C CAPACITOR	PC-30G	1
	C18	QCT05YL-7R0	C CAPACITOR		1
	C28	QCY41HK-392	C.CAPACITOR		1
	C44	QET41AR-107	E.CAPACITOR		1
	C32	QET41AR-476	E CAPACITOR		1
	C41 ,C42	QET41ER-106	E.CAPACITOR		2
	C58 ,C59	QET41HR-104	E CAPACITOR		2
	C34 ,C45	QET41HR-105	E.CAPACITOR		2
	C49 ,C50	QET41HR-474	E.CAPACITOR		2
	C33 ,C48	QET41HR-475	E.CAPACITOR		2
	C26	QFP42AJ-181	PP CAPACITOR		1
	C27	QFP42AJ-361	PP CAPACITOR		1
	C51	QFP42AJ-471	PP CAPACITOR		1
	CF4	VQT7A21-103	I.F.TRANSFORMER		1
	FW1	VWS306-25B24K	UL CP JUMPER		1
	TC3,4,TC7,8	QAT2002-001	T CAPACITOR		2
	VC1,2	QAP1224-520V	V.CAPACITOR		1
	VC3	QAT5001-005	T.CAPACITOR		1
	BPF1	VBP4M3B-003	B.PASS FILTER		1
	R24	QRD161J-222	CARBON RESISTOR	PC-30B/E	1
	C2 ,C3 ,C15	QCF11EZ-103	C.CAPACITOR	PC-30G.	2
					1
					1

Exploded View of Enclosure Assembly and Parts List

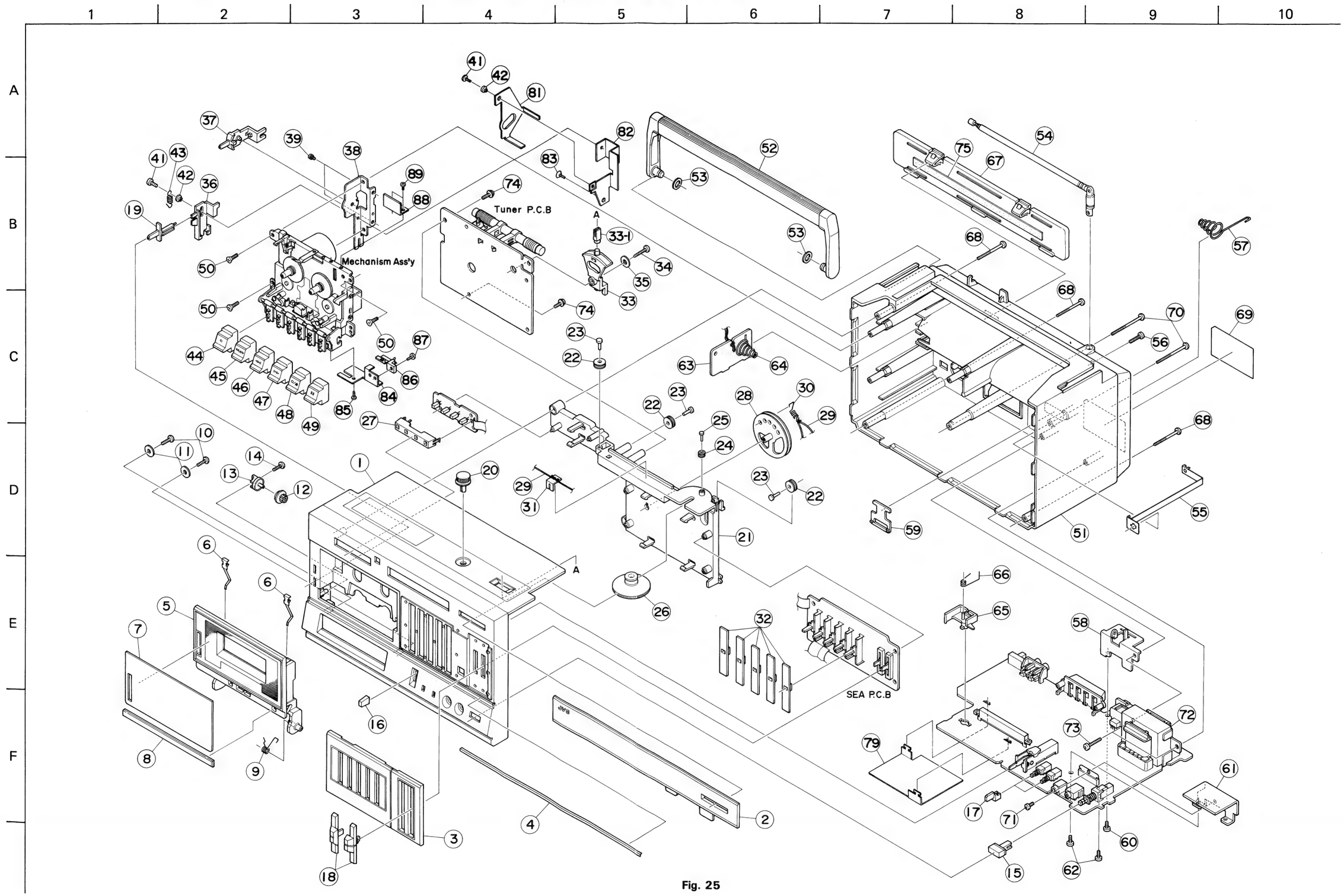


Fig. 25

Enclosure Assembly Parts List

⚠ parts are safety assurance parts.
When replacing those parts, make sure to use the specified one.

⚠	Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
	1 ~ 4	ZCPR30□-FSL	Front Cabiner Ass'y	Silver	1
	〃	〃 -FRD	〃	Red	1
	〃	〃 -FBK	〃	Black	1
	〃	〃 -FIV	〃	Ivory	1
	1	VJC1432-001	Front Cabinet	Silver PC-30 U	1
	〃	〃 -002UL	〃	〃 PC-30 C/J	1
	〃	〃 -003	〃	Black PC-30 U/R	1
	〃	〃 -004UL	〃	〃 PC-30 C/J	1
	〃	〃 -005UL	〃	Red 〃	1
	〃	〃 -006	〃	〃 PC-30 U/R	1
	〃	〃 -007	〃	Silver PC-30 B/E	1
	〃	〃 -008	〃	Black 〃	1
	〃	〃 -009	〃	Red 〃	1
	〃	〃 -010	〃	Ivory 〃	1
	〃	〃 -012	〃	Silver PC-30 A	1
	〃	〃 -013	〃	Black 〃	1
	〃	〃 -014	〃	Silver PC-30 G	1
	〃	〃 -015	〃	Black 〃	1
	2	VJK3316-001	Dial Lens	PC-30 A/J/R/U	1
	〃	〃 -002	〃	PC-30 E/B	1
	〃	〃 -003	〃		1
	〃	〃 -004	〃	PC-30 G	1
	3	VJD2256-001	S.E.A. Panel		1
	4	VJD4911-001	Fitting		1
	5 ~ 7	ZCPR30-C	Cassette Door Ass'y		1
	5	VJT2112-001	Cassette Door		1
	6	VKY4180-001	Cassette Spring		2
	7	VJT3150-001	Door Plate		1
	8	VJT4102-001	Head Cover		1
	9	VKW4534-001	Spring		1
	10	SBSF3010Z	Screw		2
	11	Q03091-105	Washer		2
	12	VYH5601-001	Gear		1
	13	VYH5602-001	Holder		1
	14	SBSF3012Z	Screw	Damper	1
	15	VXP4324-001	Push Knob	Power	1
	16	VXQ4046-002	Knob	Function	1
	17	VXP4468-001	Push Knob	Tape, DOLBY	2
	18	VXS4153-001	Slide Knob	Volume	2
	19	VXS4136-002	〃	Direction Lever	1
	20	VXL4260-001	Knob	Fine	1
	21	VYH1145-001	Chassis Base		1
	22	V40409-2	Roller		3
	23	VYH4034-003	Rivet		3
	24	VYH4585-003	Roller		1
	25	VYH4034-001	Stud		1
	26	VXL4259-001	Tuning Knob		1
	27	VYH5792-001	LED Holder		1
	28	VYH5786-001	Dial Drum		1
	29	VHR2ZK9-05AT	Dial Cord		1
	30	50153-3	Spring		1
	〃	E45679-001	〃	PC-30 C/J	1
	31	VJN4086-003	Needle		1
	32	VJD4914-001	Cover		5
	33	VXQ3043-002	Toggle Lever		1
	33-1	VQZ4054-002	Cap	For Togle Lever	1
	34	SBSF3018Z	Screw		1
	35	Q03091-105	Washer		1
	36	VYH5771-002	Slider		1
	37	VYH5772-001	Lever		1
	38	VYH5773-001	Mecha. Bracket		1
	39	SPST2003Z	Screw		2
	40	VYH5112-002	Shield Plate	for Tuner P.C. Board L7	1
	41	SDST2608Z	〃		2
	42	VYH5833-002	Collar		2
	43	VKW4561-002	Spring	for Direction Lever	1
	44	VXP3139-001	Mecha. Button	REC	1
	45	〃 -002	〃	PLAY	1
	46	〃 -003	〃	REW	1
	47	〃 -004	〃	FF	1
	48	〃 -005	〃	STOP/EJECT	1
	49	〃 -006	〃	PAUSE	1
	50	SSSF3012Z	Tap Screw		3
	51	VJC1434-001	Rear Cabinet	Silver PC-30 U	1
	〃	〃 -002UL	〃	〃 PC-30 J	1
	〃	〃 -003	〃	Black PC-30 U	1
	〃	〃 -004	〃	〃 PC-30 J	1

⚠	Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
	51	VJC1434-005	Rear Cabinet	Red PC-30 J	1
	〃	〃 -006	〃	〃 PC-30 U/R	1
	〃	〃 -007	〃	Silver PC-30 B/E	1
	〃	〃 -008	〃	Black 〃	1
	〃	〃 -009	〃	Red 〃	1
	〃	〃 -010	〃	Ivory 〃	1
	〃	〃 -011	〃	Black PC-30 G	1
	〃	〃 -012	〃	Silver 〃	1
	〃	〃 -013UL	〃	Black PC-30 C	1
	〃	〃 -014UL	〃	Silver 〃	1
	〃	〃 -015	〃	〃 PC-30 A	1
	〃	〃 -016	〃	Black 〃	1
	52	VJH4082-00A	Handle Ass'y	Silver	1
	〃	〃 -00B	〃	Black	1
	〃	〃 -00C	〃	Red	1
	〃	〃 -00D	〃	Ivory	1
	53	Q03093-509	Washer		2
	54	VJA3006-00C	T. Antenna		1
	55	VYH5776-001	Contact		1
	56	SDSP3012R	Screw	Ant	1
	57	VYH5657-001	Battery	Spring	1
	58	VYH5779-001	AC Bracket	PC-30 U	1
	〃	〃 -002	〃		1
	59	VYH5822-001	Slider		1
	60	SDST3006Z	Screw		1
	61	VYH5780-001	Heat Sink		1
	62	SBSB3008Z	Screw		1
	63	—	P.C. Board	for Battery	1
	64	VYH5483-001	Spring	〃	1
	65	VYH5789-002	Recording Lever		1
	66	VKW4537-002	Spring		1
	67,75	ZCPR30-BSL	Battery Cover Ass'y	Silver	1
	〃	〃 -BRD	〃	Red	1
	〃	〃 -BBK	〃	Black	1
	〃	〃 -BIV	〃	Ivory	1
	67	VJC2016-007	Battery Cover	Silver	1
	〃	〃 -011	〃	Red	1
	〃	〃 -009	〃	Black	1
	〃	〃 -012	〃	Ivory	1
	68	SBSF3040Z	Screw		3
	69	VYN7022-001	Name Plate	PC-30 U	1
	〃	〃 -002	〃	PC-30 J	1
	〃	〃 -003	〃	PC-30 C	1
	〃	〃 -004	〃	PC-30 E	1
	〃	〃 -005	〃	PC-30 B	1
	〃	〃 -006	〃	PC-30 A	1
	〃	〃 -007	〃	PC-30 R	1
	〃	〃 -008	〃	PC-30 G	1
	70	SDSF3050Z	Screw		2
	71	SBSB2605Z	〃		1
⚠	72	VTP54P2-12B	Power Trans	PC-30 U/R	1
⚠	〃	〃 -12A	〃	PC-30 J/C	1
⚠	〃	〃 -12C	〃	PC-30 E/A/G	1
⚠	〃	〃 -12CBS	〃	PC-30 B	1
⚠		QMC0361-002	AC Socket	PC-30 U/J/E/A/R/G	1
		〃 -002BS	〃	PC-30 B	1
	73	SBSF3018Z	Screw		2
	74	GBSF3010Z	〃		2
	75	VYSH106-020	Spacer		1
	79	VYH5774-001	Shield Plate		1
	81	VYH5840-001	Rec. Bracket		1
	82	VYH5839-001	Rec. Holder		1
	83	SSST3006Z	Screw		1
	84	VKL5904-001	Bracket	#1 ~ #3000	1
	85	SPST2004Z	Screw	#1 ~ #3000	1
	86	VSH1121-001	Leaf Switch	#1 ~ #3000	1
	87	SDSP2004Z	Screw	#1 ~ #3000	1
	88	VYH5842-001	Bracket		1
	89	SPST2003Z	Screw		2

NOTE:
Entry of the assembly part number

ZCPR30□-FSL
↑
└ Enter the code name which is on the name plate and order the part.

Exploded View of Mechanism Assembly and Parts List

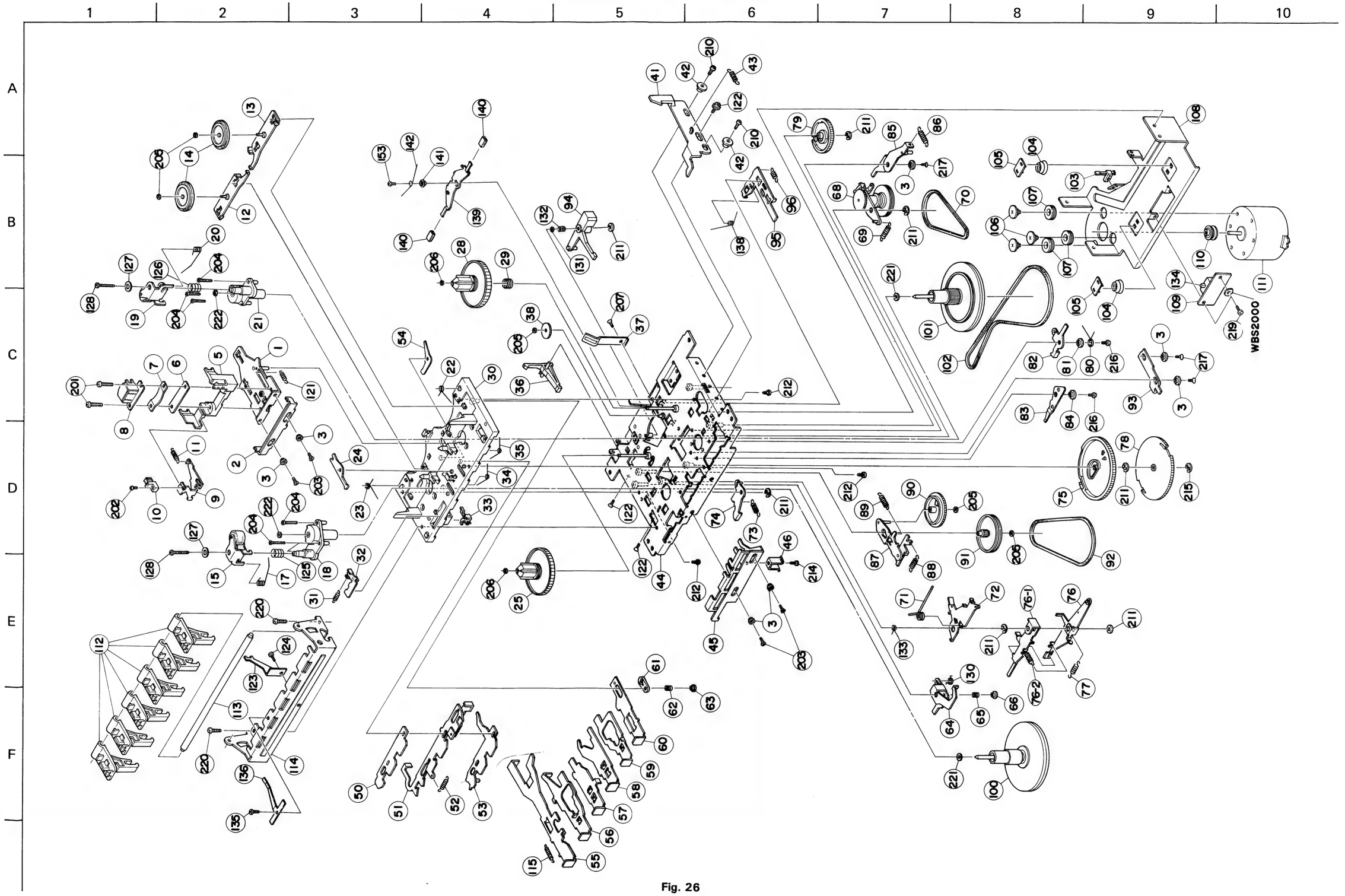


Fig. 26

Mechanism Assembly Parts List

⚠ parts are safety assurance parts.
When replacing those parts, make sure to use the specified one.

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY
	1	186502501ZT	HEAD PANEL ASSY		1
	2	18650206T	LEVER		1
	3	18200806T	COLLAR		2
		18650212T	COLLAR	FOR CHP.LEVER	2
		18650212T	COLLAR		2
		18650212T	COLLAR		1
	5	18650209T	BASE		1
	6	18650210T	PLATE		1
	7	18400310AT	SPRING PLATE	FOR R/P HEAD	1
	8	VGH0441-001	R/P HEAD		1
	9	18650207T	ARM		1
	10	VGH0212-414	MAGNETIC HEAD		1
	11	17300714T	SPRING	FOR MG ARM	1
	12	186505502ZT	T.PLATE ASS'Y	FOR REV.	1
	13	186505501ZT	T.PLATE ASS'Y	FOR FWD.	1
	14	186505301T	TAKE-UP ROLLER		1
		186505301T	TAKE-UP ROLLER		1
	15	186504301ZT	P.ROLLER ASS'Y	FOR REV.	1
	17	18650408T	P.ROLL.SPRING	FOR REV.P.ROLLER	1
	18	18650911T	FLYWHEEL METAL	FOR REV.	1
	19	186504302ZT	P.ROLLER ASS'Y	FOR FWD.	1
	20	18650409T	P.ROLLER SPRING	FOR FWD.	1
	21	18650910T	FLYWHEEL METAL	FOR FWD.	1
	22	18650511T	T.ROLLER SPRING	FOR REV.	1
	23	18650510T	T.ROLLER SPRING	FOR FWD	1
	24	18652205T	LEVER		1
	25	186505305ZT	REEL ASS'Y	FOR REV.	1
	28	186505304ZT	REEL ASS'Y	FOR FWD.	1
	29	18650515T	SPRING		1
	30	18651401T	BASE		1
	31	17001650T	SPRING		1
	32	18652206T	STOPPER		1
	33	64050123T	LEAF SWITCH		1
	34	18651432T	B. LEVER SPRING	FOR FF-REW	1
	35	18210123T	SPRING	FOR PAUSE-STOP	1
	36	18650111T	REC SAFETY LEV.		1
	37	18650102T	SPRING		1
	38	18670309T	GEAR		1
	41	18651301T	SLIDE LEVER		1
	42	18651302T	COLLAR		2
	43	18651305T	SPRING		1
	44	186501502ZT	CHASSIS BASE		1
	45	18652202T	CH.SLIDE LEVER		1
	46	18652204T	SPRING PLATE		1
	50	18651429T	STOPPER		1
	51	186514501ZT	BUTTON CAM ASSY		1
	52	18200312T	SPRING	FOR BUTTON CAM	1
	53	18651407T	CAM		1
	54	18651428T	LEVER		1
	55	18651424T	REC B.LEVER		1
	56	18651417T	PLAY B.LEVER		1
	57	18651418T	REW B.LEVER		1
	58	18651419T	LEVER		1
	59	18651420T	STOP B.LEVER		1
	60	186514504ZT	BUTTON CAM ASSY		1

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY
	61	18210115T	LEVER		1
	62	18210116T	LEVER SPRING	FOR PAUSE	1
	63	18210134T	PAUSE STOPPER		1
	64	18652209T	LEVER		1
	65	18652213T	SPRING		1
	66	18652212T	METAL BUSHING		1
	68	186507302ZT	CLUTCH		1
	69	18293912T	SPRING		1
	70	18650710T	BELT(R)	FOR FF/REW	1
	71	18652104T	SPRING		1
	72	186521502ZT	ARM		1
	73	18550615T	SPRING		1
	74	186521501ZT	M.T.ARM ASS'Y	TRIGGER	1
	75	18652101T	GEAR		1
	76	186522502ZT	LEVER		1
	76-1	18652218T	LEVER	CHANG	1
	76-2	170009331T	SPRING	FOR CHANG LEVER C-D	1
	77	80001737T	SPRING	FOR CHANG LEVER C	1
	78	18652216ZT	CH GEAR ASS'Y		1
	79	18651701T	GEAR		1
	80	18651708T	SPRING	FOR PLAY TRIGER	1
	81	18651707T	COLLAR		1
		18651707T	COLLAR		1
	82	186517502ZT	P.T.ARM ASS'Y	PLAY TRIGGER	1
	83	18651709T	ARM		1
	84	18651710T	RF COLLAR		1
	85	186517501ZT	P.A.ARM ASS'Y	PAUSE ACTUATOR	1
	86	17001613T	SPRING	FOR ACTUATOR ARM	1
	87	186511501ZT	PLATE ASS'Y	CAM GEAR	1
	88	18651113T	SPRING	FOR SENSER PLATE	1
	89	18651112T	SPRING	FOR CAM G.PLATE	1
	90	18651102T	GEAR		1
	91	18651101T	PULLEY		1
	92	18300506T	BELT(R)	FOR AUTO STOP	1
	93	18651109T	LEVER		1
	94	18651103T	PLATE		1
	95	18651114T	LEVER		1
	96	17500308T	SPRING		1
	100	186509301ZT	FLYWHEEL ASS'Y	FOR REV.	1
	101	186509302ZT	FLYWHEEL ASS'Y	FOR FWD. (WITH GEAR)	1
	102	18650909T	CAPSTAN BELT(R)		1
	103	640101114T	LEAF SWITCH		1
	104	18201310T	THRAST SPRING		2
	105	18201302T	FL.THRUST PLATE		2
	106	18211202T	SCREW	FOR MOTOR	3
	107	18201306T	RUBBER CUSHION	FOR MOTOR	3
	108	18650906T	BRACKET		1
⚠	109	18650913T	PRINTED BOARD		1
	110	18650917T	MOTOR PULLEY		1
⚠	111	BFA2L74-B	DC MOTOR		1
	112	18651425T	LEVER		6
	113	18293103T	LEVER SHAFT	FOR BUTTON	1
	114	18651415T	FRAME		1
	115	18210107T	SPRING	FOR REC	1
	121	18650211T	SPRING	FOR HEAD PANEL	1

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY
	122	90760000T	SCREW	M2 X 3	3
	123	18651431T	STOPPER		1
	124	91790000T	TAPPING SCREW	M3 X 3	1
	125	18650410T	SPRING	FOR REV.ARM	1
	126	18650411T	SPRING	FOR FWD.ARM	1
	130	18652215T	SPRING		1
	133	18652108T	SPRING		1
	134	64020204T	SLIDE SWITCH		1
	135	VKY4418-001	E HEAD SPRING		1
	136	91790000T	TAPPING SCREW		1
	201	99950000T	SCREW		2
	202	97650000T	SCREW	M1.7 X 4	1
	203	95620000T	MINI SCREW	M2 X 3	2
	204	98980000T	SCREW	M2 X 8.5	3
		98980000T	SCREW		3
	205	94210000T	WASHER	1.2X3X0.25T	1
		94210000T	WASHER		1
		94210000T	WASHER		1
		94210000T	WASHER		1
		94210000T	WASHER		1
	206	94970000T	E-RING	OR REE1500	1
		94970000T	E-RING	OR REE1500	1
	207	91790000T	TAPPING SCREW	FOR PACK SPRING	1
	210	91810000T	TH.TAP SCREW	M2 X 5	2
	211	95020000T	E.RING	OR REE2000	1
		95020000T	E.RING	OR REE2000	1
		95020000T	E.RING	OR REE2000	1
		95020000T	E.RING	OR REE2000	1
		95020000T	E.RING	OR REE2000	1
		97440000T	P.SLIDER WASER		1
		97440000T	P.SLIDER WASER		1
	212	96740000T	TAPPING SCREW	M2 X 6	4
	214	95540000T	MINI SCREW	M2 X 1.5	1
	215	94970000T	E-RING	OR REE1500	1
	216	95610000T	MINI SCREW	M2 X 3.5	1
		95610000T	MINI SCREW	M2 X 3.5	1
	217	95610000T	MINI SCREW		1
		95660000T	MINI SCREW	M2 X 2.5	1
		95660000T	MINI SCREW	M2 X 2.5	1
		95660000T	MINI SCREW	M2 X2.5	2
	219	90020000T	SCREW		2
	220	99870000T	MINI SCREW	M2 X 8	2
	221	97890000T	P.SLIDER WASER	2.2X3.8X0.5T	1
		97890000T	P.SLIDER WASER		1
	222	98570000T	NYLON WASHER		1
		98570000T	NYLON WASHER	2.1×3.5×0.5T	
	127	93300000T	WASHER	FOR PINCH ROLLER	
	128	18650412T	SPECIAL WASHER	FOR PINCH ROLLER	
	138	18651115T	SPRING	#3001~	1
	139	18651601T	BRAKE ARM	#3001~	1
	140	18200917T	BRAKE RUBBER	#3001~	2
	141	18651707T	COLLAR	#3001~	1
	142	18651602T	SPRING	#3001~	1
	153	95610000T	MINI SCREW	#3001~	1

Exploded View of Speaker Assembly and Parts List

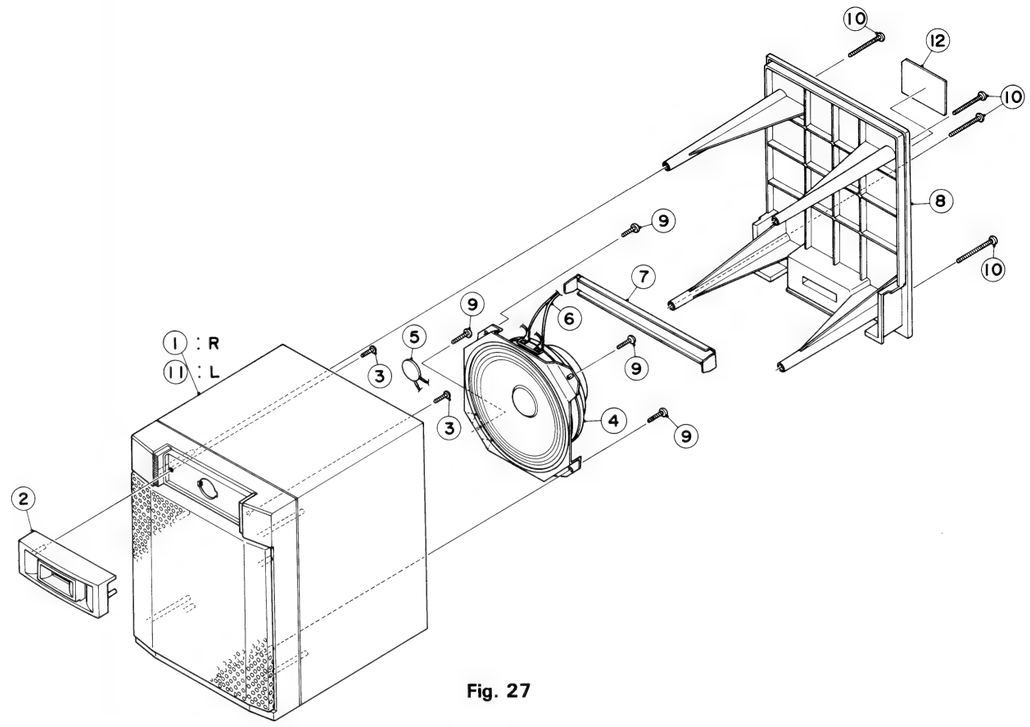


Fig. 27

⚠ parts are safety assurance parts.
When replacing those parts, make sure to use the specified one.

Speaker Assembly Parts List

⚠	Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
	1~3,5,13	ZCPB30-FSL-R	Front Cabinet Ass'y	Silver Rch	1
	〃	〃 -FBK-R	〃	Black Rch	1
	〃	〃 -FRD-R	〃	Red Rch	1
	〃	〃 -FIV-R	〃	Ivoly Rch	1
	2,3,5,11,13	ZCPB30-FSL-L	〃	Silver Lch	1
	〃	〃 -FSK-L	〃	Black Lch	1
	〃	〃 -FRD-L	〃	Red Lch	1
	〃	〃 -FIV-L	〃	Ivoly Lch	1
	1	VJC3083-00A	〃	Silver Right	1
	〃	〃 -00B	〃	Black 〃	1
	〃	〃 -00C	〃	Red 〃	1
	〃	〃 -00D	〃	Ivory 〃	
	2	VJD3545-001	GRIL		1
	3	SBSF2610Z	Screw		2
	4	EAS-10P279S	Speaker	Woofer	1
	5	EFB-S110D42	〃	Tweeter	1
	6	VMP0040-002	Speaker Cord		1
	7	VYH5695-001	Stay		1
	8	VJC1440-001	Rear Cover	Silver	1
	〃	〃 -002	〃	Black	1
	〃	〃 -003	〃	Red	1
	〃	〃 -004	〃	Ivory	1
	9	SBSF2610Z	Screw		4
	10	SBSF3020Z	〃		4
	11	VJC3082-00A	Front Cabinet Ass'y	Silver Left	1
	〃	〃 -00B	〃	Black 〃	1
	〃	〃 -00C	〃	Red 〃	1
	〃	〃 -00D	〃	Ivoly 〃	1
	12	VYN7022-001B	Name Plate		1
	13	——	Wire	For Tweeter	1

Packing

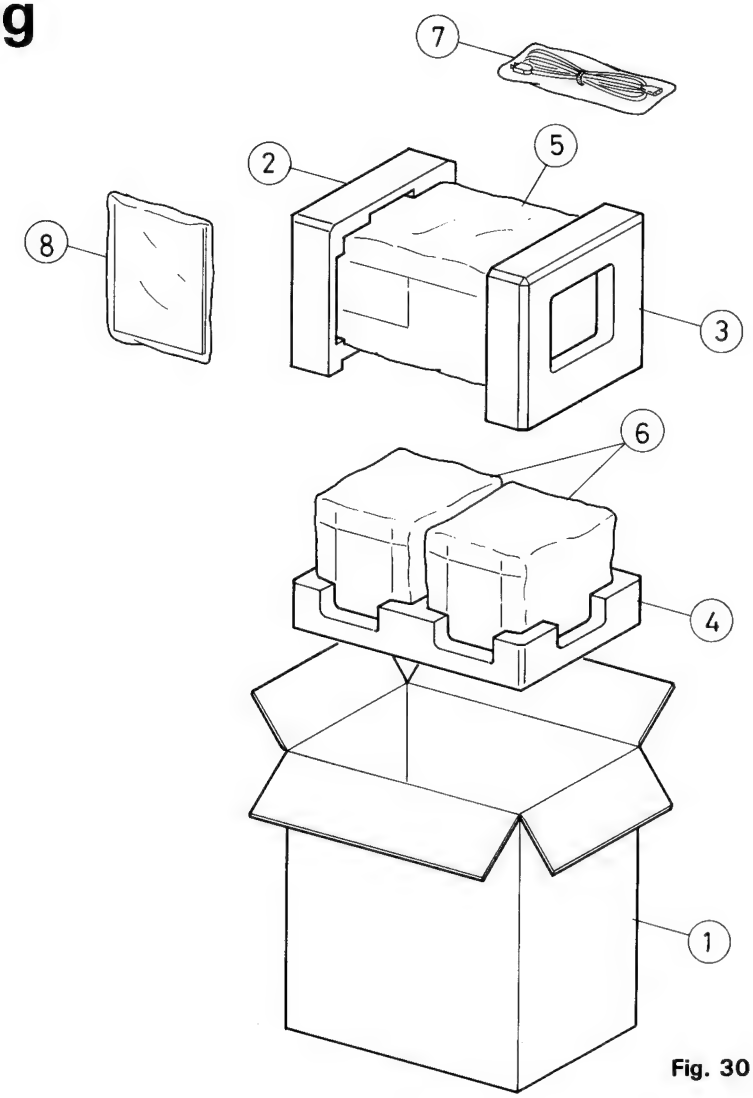


Fig. 30

Packing and Parts List

⚠ parts are safety assurance parts.
When replacing those parts, make sure to use the specified one.

⚠	Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
	8	VPE3004-007	Poly Bag	for Accessories	1
		E66416-003	Envelope	for Warranty	1
	7	QPGA012-01505	Poly Bag	for Power Cord	1
	5	VPE3005-025	〃	for Receiver	1
	6	〃 -016	〃	for Speaker	2
		VPZ4001-001	Serial Ticket		1
	4	VPH2224-001	Cushion	Bottom	1
	2	VPH2225-001	〃	Left	1
	3	VPH2226-001	〃	Right	1
	1	VPC7022-001	Carton	Silver PC-30 U	1
	〃	〃 -002	〃	〃 PC-30 J	1
	〃	〃 -003	〃	Black PC-30 U	1
	〃	〃 -004	〃	〃 PC-30 J	1
	〃	〃 -005	〃	Red 〃	1
	〃	〃 -006	〃	〃 PC-30 U	1
	〃	〃 -007	〃	Silver PC-30 E	1
	〃	〃 -008	〃	Black 〃	1
	〃	〃 -009	〃	Red 〃	1
	〃	〃 -010	〃	Ivoly 〃	1
	〃	〃 -011	〃	Black PC-30 B	1
	〃	〃 -012	〃	Silver PC-30 A	1
	〃	〃 -013	〃	Black PC-30 R	1
	〃	〃 -014	〃	〃 PC-30 G	1
	〃	〃 -015	〃	Silver 〃	1
	〃	〃 -016	〃	〃 PC-30 C	1
	〃	〃 -021	〃	Black 〃	1

Accessories

⚠ parts are safety assurance parts.
When replacing those parts, make sure to use the specified one.

⚠	Parts No.	Parts Name	Remarks	Q'ty
	VNM0989-901	Instruction Book	PC-30 R/U	1
	VNM0991-301	〃	PC-30 B/E/G	1
	VNM0992-901	〃	PC-30 A	1
	VNM0990-901	〃	PC-30 C/J	1
	BT20047C	Warranty Card	PC-30 J/R/U	1
	BT20044E	Safety Guide	PC-30 J	1
	BT20046B	Special Replay	for PX, EES	1
	BT20060	Warranty Card	PC-30 B	1
	BT20066	〃	PC-30 B/G	1
	BT20065	〃	PC-30 G	1
	BT20027D	〃	PC-30 A	1
	BT20025H	〃	PC-30 C	1
	BT20054-003A	Caution Sheet	PC-30 G	1
	VNC5311-204	Caution Card	for PX	1
	〃 -203	〃	for EEX	1
	V04062-001	Siemens Plug	PC-30 R/U	1
	QZL1002-003	Warning Label	PC-30 B	1
	VNC1200-002	Copyright Law W.	PC-30 C	1
	31465-18	Mark	PC-30 B	1
	VNF0989-001	Feature Sticker	PC-30 J	1
	VGT08S3-J02	Cassette Tape	PC-30 A/R/U	1
	QMP1240-183	Power Cord	PC-30 J	1
	QMP3950-183	〃	PC-30 E/G	1
	QMP9017-009BS	〃	PC-30 B	1
	QMP2540-200	〃	PC-30 A	1
	QMP1940-183	〃	PC-30 C	1
	QMP7640-183	〃	PC-30 R/U	1

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JVC

SERVICE MANUAL

PORTABLE COMPONENT SYSTEM

MODEL PC-30 A/B/C/E/G/J/R/U

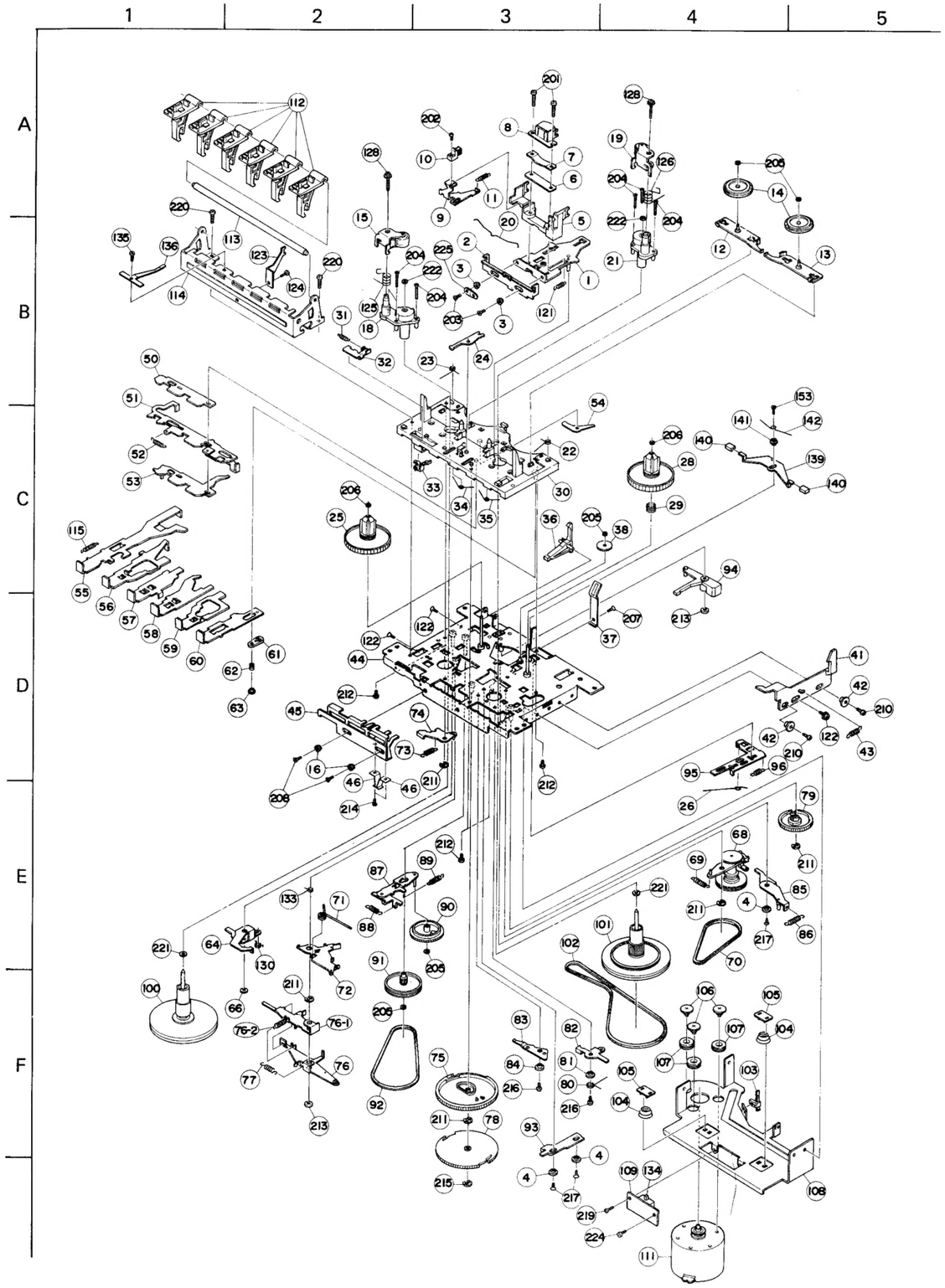
Supplementary

Partial changes have been made in items A/B/C/E/G/J/R/U of PC-30 (Service Manual No. 1575) of the Mechanism Assembly Section. Therefore, the diagrams and parts list have been renewed.

Please file these changes together with the previously issued manual, (No. 1575), PC-30 A/B/C/E/G/J/R/U, and refer to them when performing repair work.

No. 1575C
November 1986

Exploded View of Mechanism Assembly and Parts List



⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY
	1	186502501ZT	HEAD PANEL ASSY		1
	2	18650215T	CHP LEVER		1
	3	18650214T	COLLAR	FOR CHP.LEVER	2
	4	18200806T	COLLAR		2
		18200806T	COLLAR		1
	5	18650209T	HEAD BASE		1
	6	18650210T	HEAD PLATE		1
	7	18400310AT	SPRING PLATE	FOR R/P HEAD	1
	8	VGH0441-001	R/P HEAD		1
	9	18650207T	MG ARM		1
	10	VGH0212-414	MAGNET E HEAD		1
	11	18650216T	SPRING	FOR MG ARM	1
	12	186505502ZT	T.PLATE ASS'Y	FOR REV.	1
	13	186505501ZT	T.PLATE ASS'Y	FOR FWD.	1
	14	186505301T	T.ROLLER		1
		186505301T	T.ROLLER		1
	15	186504304ZT	P ROLL.ARM ASSY	FOR REV.	1
	16	18652219T	COLLAR		2
	18	18650911T	FLYWHEEL METAL	FOR REV.	1
	19	186504303ZT	P.ROLL.ARM ASSY	FOR FWD.	1
	20	18650415T	SPRING	PINCH ROLLER	1
	21	18650910T	FLYWHEEL METAL	FOR FWD.	1
	22	18650510T	T.ROLLER SPRING	FOR FWD	1
	23	18650511T	T.ROLLER SPRING	FOR REV.	1
	24	18652205T	CONTROL LEVER		1
	25	186505305ZT	REEL R ASS'Y	FOR REV.	1
	26	18651115T	SPRING	TORSION	1
	28	186505304ZT	REEL F ASS'Y	FOR FWD.	1
	29	18650515T	SPRING	BACK TENSION	1
	30	18651401T	MAIN BASE		1
	31	18652243T	SPRING		1
	32	18652206T	REC STOPPER		1
	33	64050123T	LEAF SWITCH	LSA-1115R	1
	34	18651432T	B. LEVER SPRING	FOR FF-REW	1
	35	18211437T	B. LEVER SPRING	FOR PAUSE-STOP	1
	36	18650111T	LEVER	REC SAFETY	1
	37	18650102T	PACK SPRING		1
	38	18670309T	FF GEAR		1
	41	18651301T	SLIDE LEVER	EJECT	1
	42	18651302T	COLLAR		2
	43	18651305T	SPRING		1
	44	186501501ZT	CHASSIS ASS'Y		1
	45	18652202T	CH.SLIDE LEVER		1
	46	18652220T	SW SP PLATE		2
	50	18651429T	PC STOPPER		1
	51	186514504ZT	BUTTON CAM ASSY		1
	52	18200312T	SPRING	FOR BUTTON CAM	1
	53	18651407T	SW CAM		1
	54	18651428T	RWD LEVER		1
	55	18651447T	BUTTON LEVER	REC	1
	56	18651417T	BUTTON LEVER	PLAY	1
	57	18651418T	BUTTON LEVER	REW	1
	58	18651419T	BUTTON LEVER	FF	1
	59	18651420T	BUTTON LEVER	STOP	1
	60	186514501ZT	BUTTON CAM ASSY	PAUSE	1

rts List

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY
	1	186502501ZT	HEAD PANEL ASSY		1
	2	18650215T	CHP LEVER		1
	3	18650214T	COLLAR	FOR CHP.LEVER	2
	4	18200806T	COLLAR		2
		18200806T	COLLAR		1
	5	18650209T	HEAD BASE		1
	6	18650210T	HEAD PLATE		1
	7	18400310AT	SPRING PLATE	FOR R/P HEAD	1
	8	VGH0441-001	R/P HEAD		1
	9	18650207T	MG ARM		1
	10	VGH0212-414	MAGNET E HEAD		1
	11	18650216T	SPRING	FOR MG ARM	1
	12	186505502ZT	T.PLATE ASS'Y	FOR REV.	1
	13	186505501ZT	T.PLATE ASS'Y	FOR FWD.	1
	14	186505301T	T.ROLLER		1
		186505301T	T.ROLLER		1
	15	186504304ZT	P ROLL.ARM ASSY	FOR REV.	1
	16	18652219T	COLLAR		2
	18	18650911T	FLYWHEEL METAL	FOR REV.	1
	19	186504303ZT	P.ROLL.ARM ASSY	FOR FWD.	1
	20	18650415T	SPRING	PINCH ROLLER	1
	21	18650910T	FLYWHEEL METAL	FOR FWD.	1
	22	18650510T	T.ROLLER SPRING	FOR FWD	1
	23	18650511T	T.ROLLER SPRING	FOR REV.	1
	24	18652205T	CONTROL LEVER		1
	25	186505305ZT	REEL R ASS'Y	FOR REV.	1
	26	18651115T	SPRING	TORSION	1
	28	186505304ZT	REEL F ASS'Y	FOR FWD.	1
	29	18650515T	SPRING	BACK TENSION	1
	30	18651401T	MAIN BASE		1
	31	18652243T	SPRING		1
	32	18652206T	REC STOPPER		1
	33	64050123T	LEAF SWITCH	LSA-1115R	1
	34	18651432T	B. LEVER SPRING	FOR FF-REW	1
	35	18211437T	B. LEVER SPRING	FOR PAUSE-STOP	1
	36	18650111T	LEVER	REC SAFETY	1
	37	18650102T	PACK SPRING		1
	38	18670309T	FF GEAR		1
	41	18651301T	SLIDE LEVER	EJECT	1
	42	18651302T	COLLAR		2
	43	18651305T	SPRING		1
	44	186501501ZT	CHASSIS ASS'Y		1
	45	18652202T	CH.SLIDE LEVER		1
	46	18652220T	SW SP PLATE		2
	50	18651429T	PC STOPPER		1
	51	186514504ZT	BUTTON CAM ASSY		1
	52	18200312T	SPRING	FOR BUTTON CAM	1
	53	18651407T	SW CAM		1
	54	18651428T	RWD LEVER		1
	55	18651447T	BUTTON LEVER	REC	1
	56	18651417T	BUTTON LEVER	PLAY	1
	57	18651418T	BUTTON LEVER	REW	1
	58	18651419T	BUTTON LEVER	FF	1
	59	18651420T	BUTTON LEVER	STOP	1
	60	186514501ZT	BUTTON CAM ASSY	PAUSE	1

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY
	61	18210115T	PAUSE LEVER		1
	62	18210116T	LEVER SPRING	FOR PAUSE	1
	63	18210134T	PAUSE STOPPER		1
	64	18652209T	LEVER	M FUNCTION	1
	66	97440000	WASHER		1
	68	186507302ZT	RF CLUTCH ASS'Y		1
	69	18001143T	SPRING		1
	70	18650712T	BELT	FOR FF/REW	1
	71	18652109T	LIFT SPRING		1
	72	186521502ZT	LIFT ARM ASS'Y		1
	73	18652110T	SPRING		1
	74	186521501ZT	M.T.ARM ASS'Y	TRIGGER	1
	75	18652101T	M GEAR		1
	76	186522502ZT	CH LEVER C.ASY.		1
	76-1	18652218T	CH LEVER D	CHANG	1
	76-2	18652223T	SPRING	FOR CHANG LEVER C-D	1
	77	18652221T	SPRING	FOR CHANG LEVER C	1
	78	18652216ZT	CH GEAR ASS'Y		1
	79	18651701T	P GEAR		1
	80	18651708T	SPRING	FOR PLAY TRIGER	1
	81	18651707T	COLLAR		1
	82	186517502ZT	P.T.ARM ASS'Y	PLAY TRIGGER	1
	83	18651709T	RF TRIGGER ARM		1
	84	18651710T	RF COLLAR		1
	85	186517501ZT	P.A.ARM ASS'Y	PAUSE ACTUATOR	1
	86	17001613T	SPRING	FOR ACTUATOR ARM	1
	87	186511501ZT	PLATE ASS'Y	CAM GEAR	1
	88	18651113T	SPRING	FOR SENSER PLATE	1
	89	18651112T	SPRING	FOR CAM GEAR PLATE	1
	90	18651102T	CAM GEAR		1
	91	18651101T	PULLEY		1
	92	18300506T	BELT	FOR AUTO STOP	1
	93	18651109T	RF LEVER		1
	94	18651103T	SENSING PLATE		1
	95	18651114T	CONTROL LEVER		1
	96	18651111T	SPRING		1
	100	186509301ZT	FLYWHEEL ASS'Y	FOR REV.	1
	101	186509302ZT	FLYWHEEL ASS'Y	FOR FWD. (WITH GEAR)	1
	102	18650909T	MAIN BELT		1
	103	640101114T	LEAF SWITCH		1
	104	18201310T	THRAST SPRING		2
	105	18201302T	FL.THRUST PLATE		2
	106	18211202T	COLLAR SCREW	FOR MOTOR	3
	107	18201306T	MOTOR RUBBER	FOR MOTOR	3
	108	18650906T	FL BRACKET		1
	109	186509306ZT	SW.P.W.B.ASS'Y		1
	111	186509304ZT	MOTOR ASS'Y		1
	112	18651425T	OPERATION LEVER		6
	113	18293103T	LEVER SHAFT	FOR BUTTON	1
	114	18651415AT	BUTTON FRAME		1
	115	18210107T	B. LEVER SPRING	FOR REC	1
	121	18650211T	SPRING	FOR HEAD PANEL	1
	122	90760000T	SCREW	M2 X 3	3
	123	18651431T	SHAFT STOPPER		1

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY
	124	91790000T	TAPPING SCREW	M3 X 3	1
	125	18650416T	P.ROLL.SPRING R	FOR REV.ARM	1
	126	18650417T	P.ROLL.SPRING F	FOR FWD.ARM	1
	128	99992001T	CAP SCREW	M2X7	1
		99992001T	CAP SCREW	M2X7	1
	130	18652215T	SPRING	TORSION	1
	133	18652108T	SPRING	TORSION	1
	135	95510000T	MINI SCREW		1
	136	VKY4418-001	E HEAD SPRING		1
	139	18651601T	BRAKE ARM		1
	140	18200917T	BRAKE RUBBER		2
	141	18651707T	COLLAR		1
	142	18651602T	BRAKE SPRING		1
	153	95610000T	MINI SCREW	M2X3.5	1
	201	99950000T	SPECIAL SCREW		2
	202	97650000T	MINI SCREW	M1.7 X 4	1
	203	98280000T	CAMERA SCREW	M2 X2.5	2
	204	98980000T	MINI SCREW	M2X8.5	3
		98980000T	MINI SCREW	M2 X 8.5	3
	205	94210000T	POLY.WASHER		1
		94210000T	POLY.WASHER		1
		94210000T	POLY.WASHER		1
		94210000T	POLY.WASHER	1.2X3X0.25T	1
		94210000T	POLY.WASHER	1.2X3X0.25T	1
	206	94970000T	E.RING	OR REE1500	1
		94970000T	E.RING	OR REE1500	1
	207	91790000T	TAPPING SCREW	FOR PACK SPRING	1
	208	95620000T	MINI SCREW	M2 X 3	2
	210	91810000T	TH.TAP SCREW	M2 X 5	2
	211	95020000T	E.RING	OR REE2000 FOR RF CL	1
		95020000T	E.RING	OR REE2000	1
		95020000T	E.RING	OR REE2000	1
		95020000T	E.RING	OR REE2000	1
		95020000T	E.RING	OR REE2000	1
	212	96740000T	TAPPING SCREW	M2 X 6	4
	213	97440000T	POLY. WASHER		1
		97440000T	POLY. WASHER		1
	214	95540000T	MINI SCREW	M2 X 1.5	2
	215	94970000T	E.RING	OR REE1500	1
	216	95610000T	MINI SCREW	M2 X 3.5	1
		95610000T	MINI SCREW	M2 X 3.5	1
	217	95660000T	MINI SCREW	M2 X 2.5	1
		95660000T	MINI SCREW	M2 X 2.5	2
	219	90010000T	SCREW	M2X4	1
	220	99870000T	MINI SCREW	M2 X 8	2
	221	99300000T	POLY. WASHER	2.2X3.8X0.3T	1
		99300000T	POLY. WASHER	2.2X3.8X0.5T	1
	222	98570000T	NYLON WASHER	2.1X3.5X0.5T	1
		98570000T	NYLON WASHER	2.1X3.5X0.5T	1
	224	91140000T	SCREW		1
	225	18650213T	DAMPER SPRING		1

Correction

on page 3 of PC-30 A/B/C/E/G/J/R/U SERVICE MANUAL No. 1575

Specifications

= WRONG =

Radio Section

Frequency range : PC-30 A/C/J/R/U
FM 88—108 MHz
AM 540—1600 kHz
SW1 2.3—7 MHz
SW2 7—22 MHz
: PC-30 B/E
FM 88—108 MHz
MW 540—1600 kHz
SW 6—18 MHz
LW 150—350 kHz
: PC-30 G
FM 65—73 MHz
MW 540—1600 kHz
LW 150—350 kHz
SW 6—18 MHz

= CORRECT =

Radio Section

Frequency range : PC-30 A/C/J/R/U
FM 88—108 MHz
AM 540—1600 kHz
SW1 2.3—7 MHz
SW2 7—22 MHz
: PC-30 B/E/G
FM 88—108 MHz
MW 540—1600 kHz
SW 6—18 MHz
LW 150—350 kHz